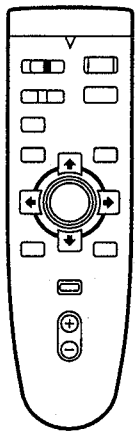
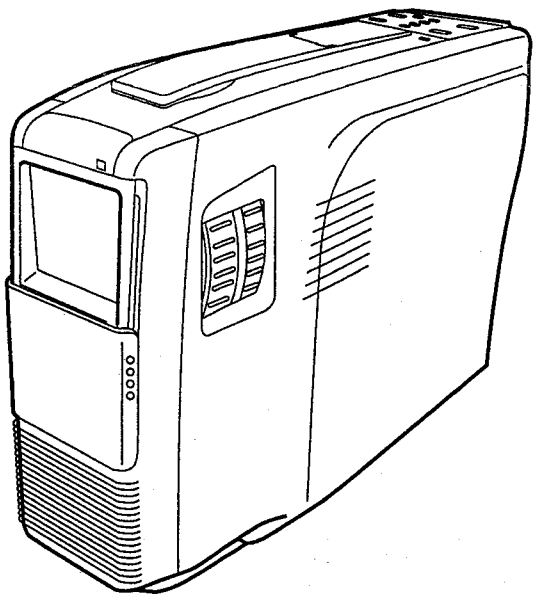
SERVICE MANUAL

MODEL	DEST.	MODEL
VPL-PX1	*WORLD*	RM-PJM600





LCD DATA PROJECTOR

SONY

⚠WARNING

This manual is intended for qualified service personnel only.
To reduce the risk of electric shock, fire or injury, do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so. Refer all servicing to qualified service personnel.

⚠WARNUNG

Die Anleitung ist nur für qualifiziertes Fachpersonal bestimmt.
Alle Wartungsarbeiten dürfen nur von qualifiziertem Fachpersonal ausgeführt werden. Um die Gefahr eines elektrischen Schlages, Feuergefahr und Verletzungen zu vermeiden, sind bei Wartungsarbeiten strikt die Angaben in der Anleitung zu befolgen. Andere als die angegeben Wartungsarbeiten dürfen nur von Personen ausgeführt werden, die eine spezielle Befähigung dazu besitzen.

⚠ AVERTISSEMENT

Ce manual est destiné uniquement aux personnes compétentes en charge de l'entretien. Afin de réduire les risques de décharge électrique, d'incendie ou de blessure n'effectuer que les réparations indiquées dans le mode d'emploi à moins d'être qualifié pour en effectuer d'autres. Pour toute réparation faire appel à une personne compétente uniquement.

WARNING!!

AN INSULATED TRANSFORMER SHOULD BE USED DURING ANY SERVICE TO AVOID POSSIBLE SHOCK HAZARD, BECAUSE OF LIVE CHASSIS.
THE CHASSIS OF THIS RECEIVER IS DIRECTLY CONNECTED TO THE AC POWER LINE.

SAFETY-RELATED COMPONENT WARNING !!

COMPONENTS IDENTIFIED BY A ⚠ MARK ON THE SCHEMATIC DIAGRAMS, EXPLODED VIEWS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION!!

AFIN D'ÉVITER TOUT RISQUE D'ÉLECTROCUTION PROVENANT D'UN CHÂSSIS SOUS TENSION, UN TRANSFORMATEUR D'ISOLEMENT DOIT ETRE UTILISÉ LORS DE TOUT DÉPANNAGE.
LE CHÂSSIS DE CE RÉCEPTEUR EST DIRECTEMENT RACCORDÉ Á L'ALIMENTATION SECTEUR.

ATTENTION AUX COMPOSANTS RELATIFS Á LA SÉCURITÉ!!

LES COMPOSANTS IDENTIFIÉS PAR UNE MAPQUE ⚠ SUR LES SCHÉMAS DE PRINCIPE, LES VUES EXPLOSÉES ET LES LISTES DE PIECES SONT D'UNE IMPORTANCE CRITIQUE POUR LA SÉCURITÉ DU FONCTIONNEMENT. NE LES REMPLACER QUE PAR DES COMPOSANTS SONY DONT LE NUMÉRO DE PIÈCE EST INDIQUÉ DANS LE PRÉSENT MANUEL OU DANS DES SUPPLÉMENTS PUBLIÉS PAR SONY.

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SONY

3-867-701-11(1)

LCD Data Projector

Operating Instructions GB
Mode d'emploi FR
Manual de instrucciones ES

VPL-PX1

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Section 1
Operating Instructions

This section is extracted from operation manual.

WARNING

To prevent fire or shock hazard, do not expose the unit to rain or moisture.

To avoid electrical shock, do not open the cabinet. Refer servicing to qualified personnel only.

CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK)
NO USER-SERVICEABLE PARTS INSIDE
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL

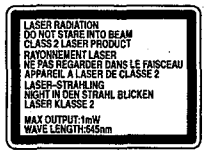
This symbol is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

This symbol is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

For the customers in the USA

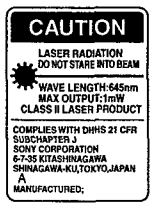
This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.



This label is located on the rear of the Remote Commander.

This label is located on the side of the Remote Commander.



This label is located on the rear of the Remote Commander.

This label is located on the rear of the Remote Commander.

Laser light shines out of this window.

Caution

use of controls or adjustments or performance of procedures other than those specified herein may result in hazardous radiation exposure.

Notes

- Do not aim the laser at people or not look into the laser transmitter.
- When the Remote Commander causes malfunction, consult with qualified Sony personnel. We change the Remote Commander as new one according to the guarantee.

For the customers in Canada

This Class A digital apparatus complies with Canadian ICES-003.

For the customers in the United Kingdom

WARNING
THIS APPARATUS MUST BE EARTHED

IMPORTANT

The wires in this mains lead are coloured in accordance with the following code:

Green-and-Yellow:	Earth
Blue:	Neutral
Brown:	Live

As the colours of the wires in the mains lead of this apparatus may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:
The wire which is coloured green-and-yellow must be connected to the terminal in the plug which is marked by the letter E or by the safety earth symbol ⏚ or coloured green or green-and-yellow.
The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.
The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

Voor de klanten in Nederland

Bij dit produkt zijn batterijen geleverd. Wanneer deze leeg zijn, moet u ze niet weggooien maar inleveren als KCA.

The socket-outlet should be installed near the equipment and be easily accessible.

Warning on power connection

Use a proper power cord for your local power supply.
Use an appropriate rating plug which is applied to local regulations.

	The United States, Canada		Continental Europe		UK, Ireland, Australia, Newzealand	Japan
Plug type	VM0233	290B	YP-12A	COX-07	—	VM1296
Female end	VM0089	386A	YC-13B	COX-02	VM0310B	VM10505
Cord type	SJT	SJT	H05VV-F	H05VV-F	N13237/CO-228	HVCTF
Rated Voltage & Current	10A/125V	10A/125V	10A/250V	10A/125V	10A/250V	13A/125V
Safety approval	UL/CSA	UL/CSA	VDE	VDE	VDE	DENTORI

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Precautions

On safety

- Check that the operating voltage of your unit is identical with the voltage of your local power supply.
- Should any liquid or solid object fall into the cabinet, unplug the unit and have it checked by qualified personnel before operating it further.
- Unplug the unit from the wall outlet if it is not to be used for several days.
- To disconnect the cord, pull it out by the plug. Never pull the cord itself.
- The wall outlet should be near the unit and easily accessible.
- The unit is not disconnected to the AC power source (mains) as long as it is connected to the wall outlet, even if the unit itself has been turned off.
- Do not look into the lens while the lamp is on.
- Do not aim the laser at people or not look into the laser transmitter.
- Do not place your hand or objects near the ventilation holes — the air coming out is hot.
- Be careful not to catch your fingers by the adjuster when you lift up the projector. Do not push hard on the top of the projector with the adjuster out.

On illumination

- To obtain the best picture, the front of the screen should not be exposed to direct lighting or sunlight.
- Ceiling-mounted spot lighting is recommended. Use a cover over fluorescent lamps to avoid lowering the contrast ratio.
- Cover any windows that face the screen with opaque draperies.
- It is desirable to install the projector in a room where floor and walls are not of light-reflecting material. If the floor and walls are of reflecting material, it is recommended that the carpet and wall paper be changed to a dark color.

On preventing internal heat build-up

After you turn off the power with the I / ⏻ key on the Remote Commander or on the control panel, do not disconnect the unit from the wall outlet while the cooling fan is still running.

Caution
The projector is equipped with ventilation holes (intake) on the right side and ventilation holes (exhaust) on front and rear. Do not block or place anything near these holes, or internal heat build-up may occur, causing picture degradation or damage to the projector.

On cleaning

- To keep the cabinet looking new, periodically clean it with a soft cloth. Stubborn stains may be removed with a cloth lightly dampened with a mild detergent solution. Never use strong solvents, such as thinner, benzene, or abrasive cleansers, since these will damage the cabinet.
- Avoid touching the lens. To remove dust on the lens, use a soft dry cloth. Do not use a damp cloth, detergent solution, or thinner.
- Clean the filter at regular intervals.

On repacking

- Save the original shipping carton and packing material; they will come in handy if you ever have to ship your unit. For maximum protection, repack your unit as it was originally packed at the factory.

Features

High portability

- **Light weight/small size**
  This projector has come to miniaturized to approx. 4 kg (8 lb 13 oz) of mass by adopting magnesium die-casting body. And a carrying handle is equipped with the projector. You can easily carry it with your computer.

Reduced noise

Because the projector is using a new cooling mechanism, noise has been reduced.

Stability

This projector utilizes a new placing angle adjuster to improve stability.

High brightness, high picture quality

- **High brightness**
  Adopting the new developed optical system and the new developed 120 W UHP lamp allow high brightness (light output 1000 ANSI lumen) and excellent uniformity on the picture.
- **High resolution**
  Three 0.9-inch, about 790,000 pixel XGA panels with micro-lens arrays provide a resolution of 1024 × 768 dots for RGB input and 750 horizontal TV lines for video input.

Simple setup, easy presentation

- **Simple setup with external equipment**
  This projector is preset for 37 kinds of input signals. You can project images from an external signal source just by connecting the equipment with the supplied cable and pushing the APA key.
- **Remote Commander with mouse control and laser pointer functions**
  You can operate a computer with the Remote Commander since the unit has a build-in mouse receiver. For your presentation, you can use the laser pointer built in the Remote Commander as well.

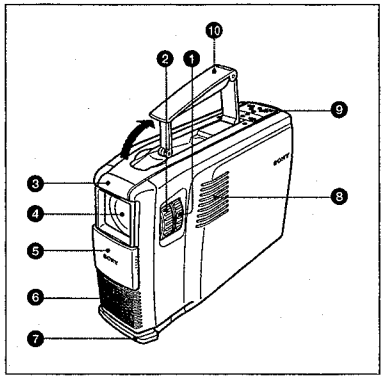
Accepts various input signals

- **Scan converter loaded**
  This projector has a build-in scan converter which converts the input signal within 1024 × 768 dots.
- **Compatible input signals**
  This projector accepts video signals of the composite, S video, and component as well as the 15k RGB, VGA[1], SVGA[1], XGA[1], and SXGA[1] signals, which all can be displayed.
- **Compatible with five color systems**
  NTSC, PAL, SECAM, NTSC4.43[2], or PAL-M color system can be selected automatically or manually.

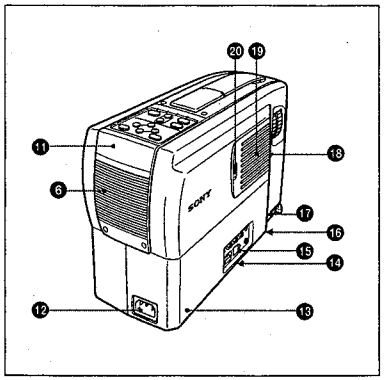
1) VGA, SVGA, XGA, and SXGA are registered trademarks of the International Business Machines Corporation, U.S.A.
2) NTSC4.43 is the color system used when playing back a video recorded on NTSC on a NTSC4.43 system VCR.

Location and Function of Controls

Front/Left Side



Rear/Right Side/Bottom



❶ Zoom ring
Adjusts the size of the picture.

❷ Focus ring
Adjusts the picture focus.

❸ Front remote control detector (SIRCS receiver)

❹ Lens
Open the lens shutter before projection.

❺ Lens shutter

❻ Ventilation holes (exhaust)

❼ Adjuster
When a picture is projected on the out of the screen, adjust the picture using this adjuster.
For details on how to use the adjusters, see "How to use the adjuster" on page 9 (GB).

❽ Left speaker

❾ Control panel
For details, see "Control panel" on page 10 (GB).

❿ Carrying handle
Pull up the handle from the projector for carrying.

⓫ Rear remote control detector (SIRCS receiver)

⓬ AC IN socket
Connects the supplied AC power cord.

⓭ Security lock
Connects to an optional security cable (Kensington's).

> The security lock corresponds to Kensington's MicroSaver Security System.
> If you have any comment, contact
> Kensington
> 2853 Campus Drive, San Mates, CA 94403
> U.S.A.
> Tel: 800-535-4242: extension 3348
> Home page address:
> http://www.kensington.com/

⓮ 75Ω termination switch (bottom)
Normally set to ON. Set it to OFF when the projector is connected to a computer or a monitor.

⓯ Connector panel
For details, see page 11 (GB).

⓰ Lamp cover (bottom)

⓱ Adjuster button

⓲ Right speaker

⓳ Ventilation holes (intake)/air filter cover

Notes

- Do not place anything near the ventilation holes as it may cause internal heat build-up.
- Do not place your hand or objects near the ventilation holes — the air coming out is hot.

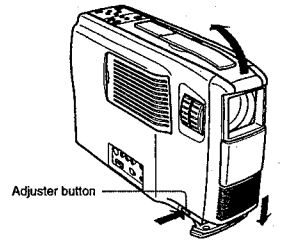
⓴ Air filter cover button
Used to remove the air filter cover.
For details, see "Cleaning the Air Filter" on page 25 (GB).

How to use the adjuster

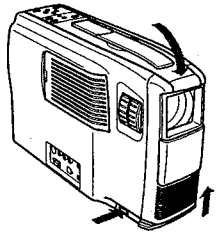
To adjust the height

Adjust the height of the projector as follows:

1 Lift the projector and press the adjuster button. The adjuster will extend from the projector.



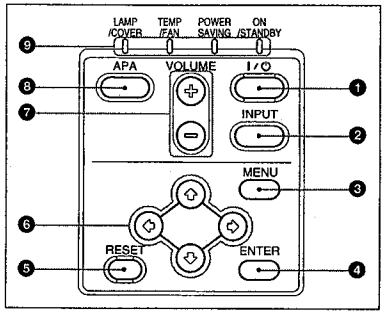
2 While pressing the button, lower the projector. Then, release the button.



Note

The adjuster has 5 settings. After releasing the adjuster button, the height will be locked at next level.

Control panel



❶ I / ⏻ (on / standby) key
Turns on and off the projector when the projector is in the standby mode. The ON/STANDBY indicator lights in green when the power is turned on.
When turning off the power, press the I / ⏻ key twice following the message on the screen, or press and hold the key for about one second.
For details on steps for turning off the power, see "To turn off the power" on page 18 (GB).

❷ INPUT key
Selects the input signal. Each time you press the key, the input signal switches between video/audio input and INPUT A connector.

❸ MENU key
Displays the on-screen menu. Press again to clear the menu.

❹ ENTER key
Enters the settings of items in the menu system.

❺ RESET key
Resets the value of an item back to its factory preset value. This key functions when the menu or a setting item is displayed on the screen.

❻ Arrow keys (↑/↓/←/→)
Used to select the menu or to make various adjustments.

❼ VOLUME +/– keys
Adjust the volume of the built-in speakers and output level of the AUDIO OUT jack.
+ : Increases the volume.
– : Decreases the volume.

❽ APA (Auto Pixel Alignment) key
Adjusts a picture to be projected clearest automatically while a signal from the computer is input.

❾ Indicators
LAMP/COVER: Lights up or flashes under the following conditions:
- Lights up when the lamp has reached the end of its life or becomes a high temperature.
- Flashes when the lamp cover or air filter cover is not secured firmly.

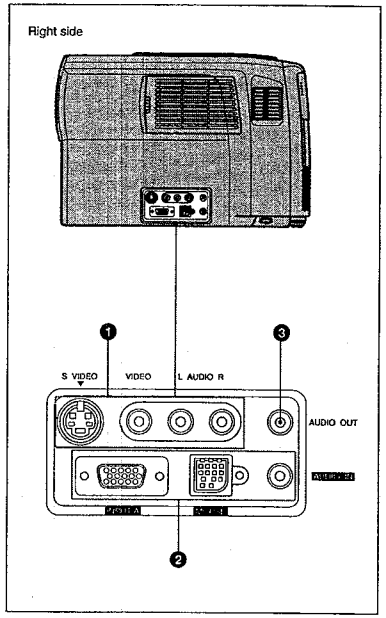
TEMP (Temperature)/FAN: Lights up or flashes under the following conditions:
- Lights up when temperature inside the projector becomes unusually high.
- Flashes when the fan is broken.

POWER SAVING: Lights up when the projector is in the power saving mode. When POWER SAVING in the SET SETTING menu is set to ON, the projector goes into the power saving mode if no signal is input for 10 minutes. Although the lamp goes out, the cooling fan keeps running. In the power saving mode, any key does not function for the first 30 seconds. The power saving mode is canceled when a signal is input or any key is pressed.

ON/STANDBY: Lights up or flashes under the following conditions:
- Lights in red when the AC power cord is plugged into the wall outlet. Once in the standby mode, you can turn on the projector with the I / ⏻ key on the Remote Commander or on the control panel.
- Lights in green when the power is turned on.
- Flashes in green while the cooling fan runs after turning off the power with the I / ⏻ key. The fan runs for about 90 seconds after turning off the power.
  The ON/STANDBY indicator flashes quickly for the first 30 seconds.
  During this time, you cannot turn the power back on with the I / ⏻ key.

For details on the LAMP/COVER and the TEMP/FAN indicators, see page 27 (GB).

Connector panel



❶ Video/audio input connector
Connect to external video equipment such as a VCR.
S VIDEO (mini DIN 4-pin): Connects to the S video output (Y/C video output) of a video equipment.
VIDEO (phono type): Connects to the composite video output of video equipment.

Note
If you connect video equipment to both the S VIDEO and VIDEO jacks, the signal from the S VIDEO jack is selected. When projecting the picture via the VIDEO jack, be sure not to connect a cable to the S VIDEO jack.

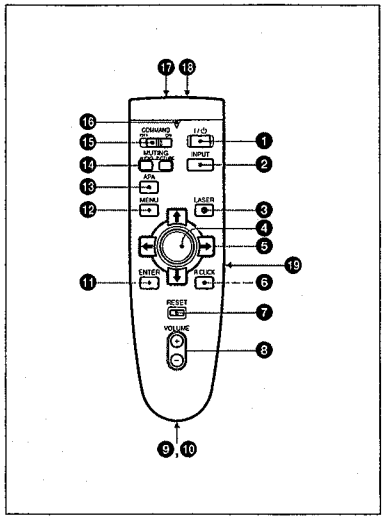
AUDIO input L (MONO)/R jacks (phono type): Connect to the audio output of equipment. For stereo equipment, use both the L and R jacks; for monaural equipment, use the L (MONO) jack only.

❷ INPUT A connector
Connect to external equipment such as a computer. You can control the mouse signal with the Remote Commander.
INPUT A (HD D-sub 15-pin, female): Connects to the monitor output on a computer using the supplied cable. When inputting a component or, 15k RGB signal, use the optional cable.
MOUSE (13-pin): Connects to the mouse port on a computer to control the mouse function using the supplied mouse cable.
AUDIO IN (stereo minijack): Connects to the audio output on a computer to input the audio signal.

❸ AUDIO OUT jack (stereo minijack)
Connects to external active speakers.
The volume of the speakers can be controlled by the VOLUME keys on the Remote Commander or the control panel.

Remote Commander

The keys which have the same names as on the control panel function identically.
You can control a connected computer using the Remote Commander.
For details, see "Connecting with a Computer" on page 14 (GB).



Notes on laser beam

- **Do not look into the laser transmitter.**
- **Do not aim the laser at people.**

❶ I / ⏻ key

❷ INPUT key

❸ LASER key
Emits laser beam from the laser transmitter when you press this key.

❹ Joy stick
Functions as a mouse of a computer connected to the unit.

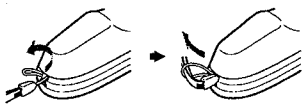
❺ Arrow keys (↑/↓/←/→)

❻ R CLICK key
Functions as a right button on a mouse. When connected to a Macintosh[1] computer, the R CLICK key functions as a mouse button.

❼ RESET key

❽ VOLUME +/– keys

❾ Strap holder
Attaches the supplied strap.



❿ CONTROL S OUT jack (stereo minijack)
This jack does not operated with this unit.

Note

The Remote Commander does not function if the cable is connected to this jack.

⓫ ENTER key

⓬ MENU key

⓭ APA (Auto Pixel Alignment) key

⓮ MUTING keys
Cut off the picture and sound.
PICTURE: Cuts off the picture. Press again to restore the picture.
AUDIO: Cuts off the sound from speakers and AUDIO OUT jack. Press again or press the VOLUME + key to restore the sound.

⓯ COMMAND ON/OFF switch
When this switch is set to OFF, no key on the Remote Commander function. This saves the battery power.

⓰ Transmission indicator
Lights up when you press a key on the Remote Commander.
This indicator does not light up when you use the laser pointer.

⓱ Infrared transmitter

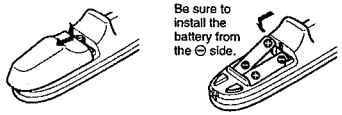
⓲ Laser transmitter

⓳ L CLICK key
Functions as a left button on a mouse. When connected to a Macintosh computer, the L CLICK key functions as a mouse button.

1) Macintosh is a registered trademark of Apple Computer, Inc.

Battery installation

1 Push and slide to open the lid, then install the two size AA (R6) batteries (supplied) with the correct polarity.



2 Replace the lid.

Notes on batteries

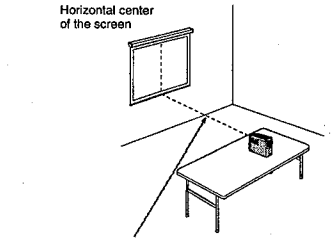
- Make sure that the battery orientation is correct when inserting batteries.
- Do not mix an old battery with a new one, or different types of batteries.
- If you will not use the Remote Commander for a long time, remove the batteries to avoid damage from battery leakage. If batteries have leaked, remove them, wipe the battery compartment dry and replace the batteries with new ones.

Notes on Remote Commander operation

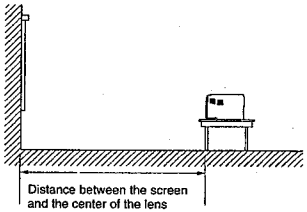
- Make sure that there is nothing to obstruct the infrared beam between the Remote Commander and the remote control detector on the projector.
- The operation range is limited. The shorter the distance between the Remote Commander and the projector is, the wider the angle within which the commander can control the projector.

Installing the Projector

This section describes the installation arrangements for installing the projector.



The distance between the lens and the screen varies depending on the size of the screen. Use the following table as a guide.



Unit: m (feet)

Screen size (inches)	40	60	80	100	120	150	200
Minimum Distance	1.6 (5.2)	2.4 (8.0)	3.3 (10.8)	4.1 (13.5)	5.0 (16.3)	6.2 (20.4)	8.3 (27.4)
Maximum Distance	2.0 (6.7)	3.1 (10.2)	4.2 (13 7)	5.2 (17 1)	6.3 (20.6)	7.9 (25 8)	10.5 (34.5)

Note

You can not install the projector upside down, such as on a ceiling.

Connecting

Connecting with a Computer

This section describes how to connect the projector with a computer.
For details on how to connect a VCR, 15k RGB, or component equipment, see page 16 (GB).

When the projector is connected to a computer, you can control the mouse of a computer by the Remote Commander.
The R/L CLICK keys and joy stick function as follows.

Note

Make sure that there is nothing to obstruct the infrared beam between the Remote Commander and the remoter control detector on the projector.

Key and joy stick	Function	
	IBM PC/AT[a] compatible, Serial	Macintosh
R CLICK (front)	Right button	Mouse button
L CLICK (rear)	Left button	Mouse button
Joy stick	Corresponds with the movements of the mouse	

a) IBM PC/AT is a registered trademark of International Business Machines Corporation, U.S.A.

Also refer to the instruction manual of equipment to be connected.

Notes

- This unit accepts the VGA, SVGA, XGA, and SXGA signals. However, we recommend you to set the output mode of your computer to the XGA mode for the external monitor.
- If you set your computer, such as a notebook type IBM PC/AT compatible, to output the signal to both the display of your computer and the external monitor, the picture of the external monitor may not appear properly. In such cases, set the output mode of your computer to output the signal to only the external monitor.
  For details, refer to the operating instructions supplied with your computer.

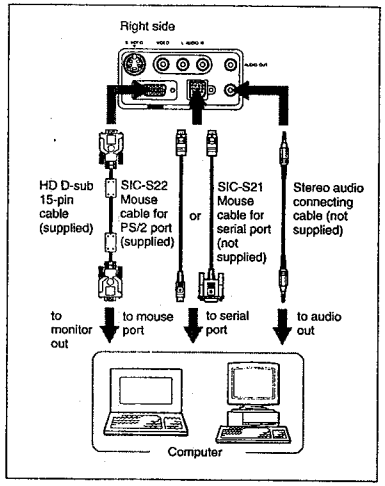
When making connections, be sure to:

- turn off all equipment before making any connections.
- use the proper cables for each connection.
- insert the plugs of the cables properly; plugs that are not fully inserted often generate noise. When pulling out a cable, be sure to pull it out from the plug, not the cable itself.

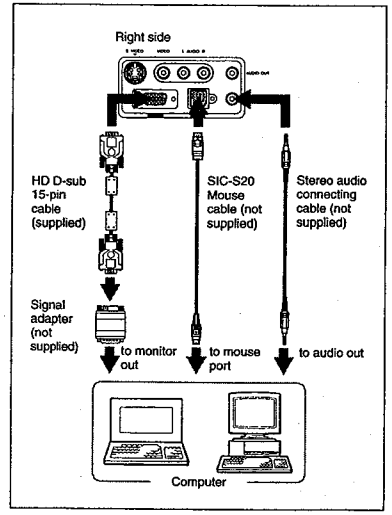
Note

Supplied mouse cables may not work properly according to your computer.

When connecting with an IBM PC/AT compatible computer



When connecting with a Macintosh computer

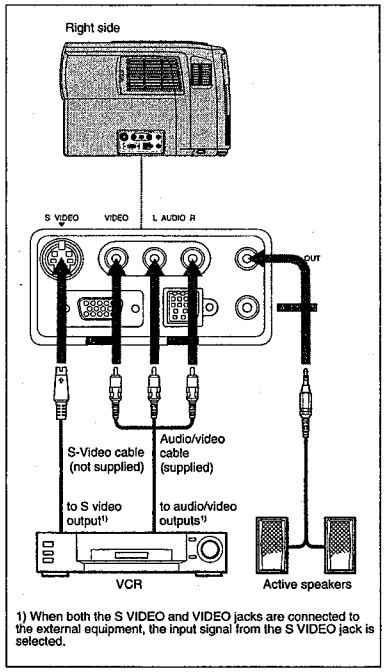


Connecting with a VCR/15k RGB/ Component Equipment

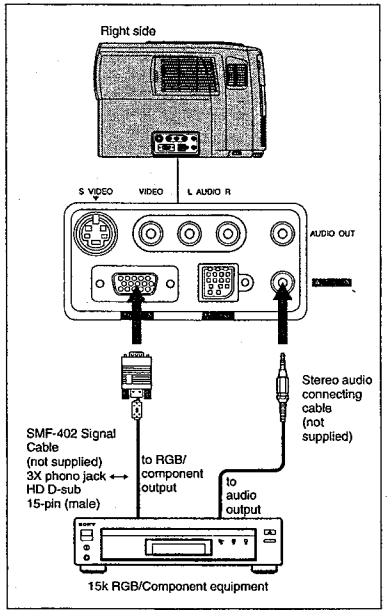
This section describes how to connect the projector with a VCR, external active speakers, and 15k RGB/ component equipment.
For details on how to connect a computer, see page 14 (GB).
Also refer to the instruction manuals of the equipment to be connected.

When making connections, be sure to:

- turn off all equipment before making any connections.
- use the proper cables for each connection.
- insert the plugs of the cables properly; plugs that are not fully inserted often generate noise. When pulling out a cable, be sure to pull it out from the plug, not the cable itself.



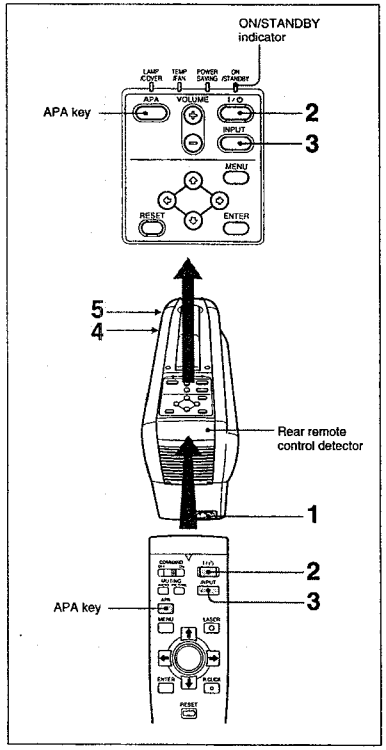
1) When both the S VIDEO and VIDEO jacks are connected to the external equipment, the input signal from the S VIDEO jack is selected.



Notes

- Set the aspect ratio using ASPECT in the INPUT SETTING menu according to the input signal.
- When you connect the unit to 15k RGB/component video equipment, select RGB or component with the INPUT-A setting in the SET SETTING menu.
- Use the composite sync signal when you input the external sync signal from 15k RGB/component equipment.

Projecting



1 After all equipment is connected completely, plug the AC power cord into the wall outlet.

The ON/STANDBY indicator lights in red and the projector goes into the standby mode.

2 Press the I / ⏻ key on the Remote Commander or on the control panel.

The ON/STANDBY indicator lights in green.

3 Turn on equipment connected to the projector. Press the INPUT key on the Remote Commander or on the control panel to select the input source.

INPUT-A: Selects audio and video signals input from the INPUT A connector.
VIDEO: Selects audio and video signals input from the video/audio input connector. (If you connect to both the S VIDEO and VIDEO jacks, the signal from the S VIDEO jack is selected.)

4 Turn the zoom ring to adjust the size of the picture.

5 Turn the focus ring to adjust the focus.

Note

Looking into the lens when projecting may cause injury to your eyes.

To	Press
Adjust the volume	the VOLUME +/– keys on the control panel or on the Remoter Commander.
Cut off the sound	the AUDIO MUTING key on the Remote Commander. To restore the sound, press the AUDIO MUTING key again or press the VOLUME + key.
Cut off the picture	the PICTURE MUTING key on the Remote Commander. To restore the picture, press the PICTURE MUTING key again.

To get the clearest picture

You can get the suitable picture when a signal from the computer is input. Press the APA key on the Remote Commander or on the control panel.
The picture is automatically adjusted to be projected clearest.

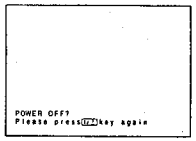
Notes

- Adjust the signal when the still picture is displayed on the screen.
- If you switch the input signal or re-connect a computer, press the APA key again to get the suitable picture.
- "ADJUSTING" appears on the screen. Press the APA key again during the adjustment to restore the original screen.
- "Complete!" appears on the screen when the picture is adjusted properly. The picture may not be adjusted properly depending on the kinds of input signals.
- Adjust DOT PHASE in the INPUT SETTING menu when you adjust the picture manually.
  For details on DOT PHASE, see page 21 (GB).

To turn off the power

1 Press the I / ⏻ key on the Remote Commander or on the control panel.

The following message appears to confirm if you want to turn off the power.



Note

The message will disappear if you press any key except the I / ⏻ key, or if you do not press any key for five seconds.

2 Press the I / ⏻ key on the Remote Commander or on the control panel again.

The ON/STANDBY indicator flashes in green and the fan continues to run for about 90 seconds to reduce the internal heat. Also, the ON/STANDBY indicator flashes quickly for the first 30 seconds. During this time, you will not be able to turn the power back on with the I / ⏻ key.

3 Unplug the AC power cord from the wall outlet after the fan stops running and the ON/STANDBY indicator lights in red.

When you cannot confirm the on-screen message

When you cannot confirm the on-screen message in a certain condition, you can turn off the power by holding the I / ⏻ key on the Remote Commander or on the control panel for about one second.

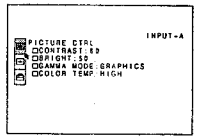
Note

Do not unplug the AC power cord while the fan is still running; otherwise, the fan will stop although the internal heat is still high, leading to breakdown of the projector.

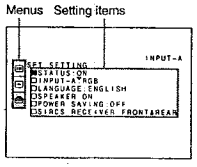
Using the MENU

The projector is equipped with an on-screen menu for making various adjustments and settings.
To select the language used in the menu, see page 23 (GB).

1 Press the MENU key.
The menu display appears.
The menu presently selected is highlighted in blue.



2 Use the ↑ or ↓ key to select a menu, then press the → or ENTER key.
The selected menu appears.



3 Make setting or adjustment on an item.
For details on setting individual items, see the relevant menu pages.

To clear the menu display

Press the MENU key.
The menu display disappears automatically if no key is pressed for one minute.

To reset items that have been adjusted

Press the RESET key.
"Complete!" appears on the screen and the settings appearing on the screen will be reset to their factory preset values.
Items which can be reset are:
- "CONTRAST", "BRIGHT", "COLOR", "HUE", and "SHARP" in the PICTURE CTRL menu
- "DOT PHASE", "SIZE", and "SHIFT" in the INPUT SETTING menu.

About the memory of the settings

The settings are automatically stored in the projector memory.

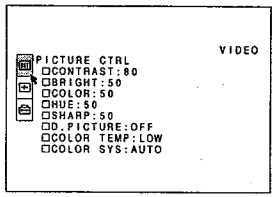
When no signal is input

When there is no input signal, "NO INPUT–Cannot adjust this item." appears on the screen, and each item cannot be adjusted.

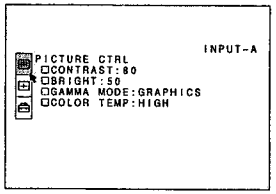
The PICTURE CTRL Menu

The PICTURE CTRL (control) menu is used for adjusting the picture.
Unadjustable items depending on the input signal are not displayed in the menu.

When the video signal is input



When the RGB signal is input



Operation

1. Select an item
Use the ↑ or ↓ key to select the item, then press the → or ENTER key.

2. Adjust an item
- When changing the adjustment level:
  To increase the number, press the ↑ or → key.

(Continued)

To decrease the number, press the ↓ or ← key.
Press the ENTER key to restore the original screen.

- When changing the setting:
  Press the ↑ or ↓ key to change the setting.
  Press the ENTER or ← key to restore the original screen.

CONTRAST

Adjusts the picture contrast.
The higher the setting, the greater the contrast.
The lower the setting, the lower the contrast.

BRIGHT

Adjusts the picture brightness.
The higher the setting, the brighter the picture.
The lower the setting, the darker the picture.

COLOR

Adjusts color intensity.
The higher the setting, the greater the intensity.
The lower the setting, the lower the intensity.

HUE

Adjusts color tones.
The higher the setting, the picture becomes greenish.
The lower the setting, the picture becomes purplish.

SHARP

Adjusts the picture sharpness.
The higher the setting, the sharper the picture.
The lower the setting, the softer the picture.

D. (Dynamic) PICTURE

Emphasizes the black color.
ON: Emphasizes the black color to produce a bolder "dynamic" picture.
OFF: Reproduces the dark portions of the picture accurately, in accordance with the source signal.

GAMMA MODE

Selects a gamma correction curve.
GRAPHICS: Improves the reproduction of half tones. Photos can be reproduced in natural tones.
TEXT: Contrasts black and white. Suitable for images that contains lots of text.

COLOR TEMP

Adjusts the color temperature.
HIGH: Makes the white color bluish.
LOW: Makes the white color reddish.

COLOR SYS (System)

Selects the color system of the input signal.
Normally, set to AUTO.
If the picture is distorted or colorless, select the color system according to the input signal.

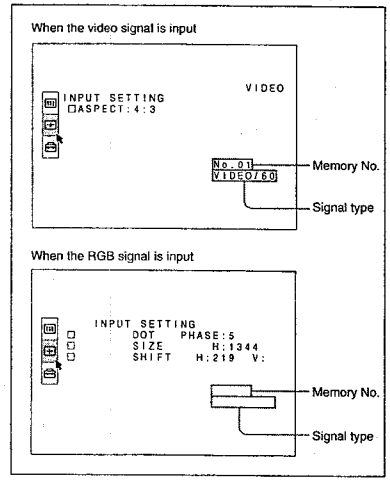
Input signals and adjustable/setting items

Item	Input signal			
	Video or S video (Y/C)	Component	RGB	B&W
CONTRAST	●	●	●	●
BRIGHT	●	●	●	●
COLOR	●	●	–	–
HUE	● (NTSC3.58/ 4.43 only)	–	–	–
SHARP	●	●	–	●
D. PICTURE	●	●	–	●
GAMMA MODE	–	–	●	–
COLOR TEMP	●	●	●	●
COLOR SYS	●	–	–	●

● : Adjustable/can be set
– : Not adjustable/can not be set

The INPUT SETTING Menu

The INPUT SETTING menu is used to adjust the input signal.
Unadjustable items depending on the input signal are not displayed in the menu.



Operation

1. Select an item
Use the ↑ or ↓ key to select the item, then press the → or ENTER key.

2. Adjust an item

- When changing the adjustment level:
  To increase the number, press the ↑ or → key.
  To decrease the number, press the ↓ or ← key.
  Press the ENTER key to restore the original screen.
- When changing the setting:
  Press the ↑ or ↓ key to change the setting.
  Press the ENTER or ← key to restore the original screen.

DOT PHASE

Adjusts the dot phase of the LCD panel and the signal input from the INPUT A connector. Adjust the picture further for finer picture after the picture is adjusted with pressing the APA key.
Adjust the picture to where it looks clearest.

SIZE

Adjusts the horizontal size of picture input from the INPUT A connector.
The higher the setting, the larger the horizontal size of the picture.
The lower the setting, the smaller the horizontal size of the picture. Adjust the setting according to the dots of the input signal. For details on the suitable value for the preset signals, see page 22 (GB).

SHIFT

Adjusts the position of the picture input from the INPUT A connector.
H adjusts the horizontal position of the picture.
V adjusts the vertical position of the picture.
As the setting for H increases, the picture moves to the right, and as the setting decreases, the picture moves to the left.
As the setting for V increases, the picture moves up, and as the setting decreases, the picture moves down.
Use the ← or the → key to adjust the horizontal position and the ↑ and ↓ key for the vertical position.

ASPECT

Sets the aspect ratio of the picture.
When inputting 16:9 (squeezed) signal from equipment such as a DVD player, set to 16:9.
4:3: When the picture with ratio 4:3 is input.
16:9: When the picture with ratio 16:9 (squeezed) is input.

SCAN CONV (Scan converter)

Converts the signal to display the picture according to the screen size.
ON: Displays the picture according to the screen size. The picture will lose some clarity.
OFF: Displays the picture while matching one pixel of input picture element to that of the LCD. The picture will be clear but the picture size will be smaller.

Note
When the XGA or SXGA signal is input, this item will not be displayed.

(Continued)

Input signals and adjustable/setting items

Item	Input signal			
	Video or S video (Y/C)	15k RGB/ Component	RGB	B&W
DOT PHASE	–	–	●	–
SIZE	–	–	●	–
SHIFT	–	–	●	–
ASPECT	●	●	–	●
SCAN CONV	–	–	●	–

●: Adjustable/can be set
–: Not adjustable/can not be set

About the preset memory No.

This projector has 37 kinds of preset data for input signals for INPUT-A (the preset memory). The memory number of the current input signal and the signal type are displayed when the preset signal is input. This projector automatically detects the signal type. When the signal is registered to the preset memory, a suitable picture is displayed on the screen according to the signal type. You can adjust the picture through the INPUT SETTING menu.
This projector also has 20 kinds of user memories for INPUT-A. When an unpreset signal is input for the first time, memory number is displayed as 00. If the input signal is adjusted in the INPUT SETTING menu, the setting via INPUT-A is stored under the memory number 51 to 70. When more than 20 user memories are registered for INPUT-A, the newest memory is automatically stored over the oldest one.

Preset signals

Memory No.	Preset signal		fH (kHz)	fV (Hz)	Sync	SIZE
1	Video 60 Hz		15.734	59.940	H-neg V-neg	
2	Video 50 Hz		15.625	50.000	H-neg V-neg	
3	15k RGB/Component 60 Hz		15.734	59.940	H-neg V-neg	
4	15k RGB/Component 50 Hz		15.625	50.000	H-neg V-neg	
6	640 x 350	VGA mode 1	31.469	70.086	H-pos V-neg	800
7		VGA VESA[a] 85 Hz	37.861	85.080	H-pos V-neg	832
8	640 x 400	PC-9801[b] Normal	24.823	56.416	H-neg V-neg	848
9		VGA mode 2	31.469	70.086	H-neg V-pos	800
10		VGA VESA 85 Hz	37.861	85.080	H-neg V-pos	832
11	640 x 480	VGA mode 3	31.469	59.940	H-neg V-neg	800
12		Macintosh 13"	35.000	66.667	H-neg V-neg	864
13		VGA VESA 72 Hz	37.861	72.809	H-neg V-neg	832
14		VGA VESA 75 Hz	37.500	75.000	H-neg V-neg	840
15		VGA VESA 85 Hz	43.269	85.008	H-neg V-neg	832
16	800 x 600	SVGA VESA 56 Hz	35.156	56.250	H-pos V-pos	1024
17		SVGA VESA 60 Hz	37.879	60.317	H-pos V-pos	1056
18		SVGA VESA 72 Hz	48.077	72.188	H-pos V-pos	1040
19		SVGA VESA 75 Hz	46.875	75.000	H-pos V-pos	1056
20		SVGA VESA 85 Hz	53.674	85.061	H-pos V-pos	1048
21	832 x 624	Macintosh 16"	49.724	74.550	H-neg V-neg	1152
22	1024 x 768	XGA VESA 43 Hz	35.522	43.479	H-pos V-pos	1264
23		XGA VESA 60 Hz	48.363	60.004	H-neg V-neg	1344
24		XGA VESA 70 Hz	56.476	70.069	H-neg V-neg	1328
25		XGA VESA 75 Hz	60.023	75.029	H-pos V-pos	1312
26		XGA VESA 85 Hz	68.677	84.997	H-pos V-pos	1376
27	1152 x 864	SXGA VESA 70 Hz	63.995	70.016	H-pos V-pos	1472
28		SXGA VESA 75 Hz	67.500	75.000	H-pos V-pos	1600
29		SXGA VESA 85 Hz	77.487	85.057	H-pos V-pos	1568
30	1152 x 900	Sunmicro LO	61.795	65.960	H-neg V-neg	1504
31		Sunmicro HI	71.713	76.047	H-neg V-neg	1472
32	1280 x 960	SXGA VESA 60 Hz	60.000	60.000	H-pos V-pos	1800
33		SXGA VESA 75 Hz	75.000	75.000	H-pos V-pos	1728
34	1280 x 1024	SXGA VESA 43 Hz	46.433	43.436	H-pos V-pos	1696
35		SGI-5	53.316	50.062	H-neg V-neg	1680
36		SXGA VESA 60 Hz	63.974	60.013	H-pos V-pos	1696
37		SXGA VESA 75 Hz	79.976	75.025	H-pos V-pos	1688
38		SXGA VESA 85 Hz	91.146	85.024	H-pos V-pos	1296

a) VESA is a registered trademark of Video Electronics Standard Association.
b) PC-98 is a registered trademark of NEC Corporation.

Since the data is recalled from the preset memory about the following signals, you can use these preset data by adjusting SIZE. Make fine adjustment by adjusting SHIFT.

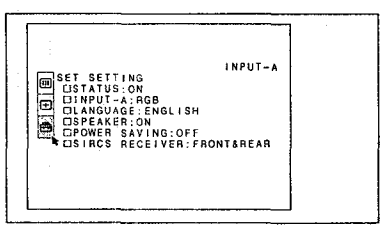
Signal	Memory No.	SIZE
Super Mac-2	23	1312
SGI-1	23	1320
Macintosh 19"	25	1328
Macintosh 21"	28	1456
Sony News	36	1708
PC-9821 1280 x 1024	36	1600
WS Sunmicro	37	1664

Note

When the aspect ratio of input signal is other than 4:3, a part of the screen is displayed in black.

The SET SETTING Menu

The SET SETTING menu is used for changing the settings of the projector.



Operation

1. Select an item
Use the ↑ or ↓ key to select the item, then press the → or ENTER key.

2. Change the setting
Press the ↑ or ↓ key to change the setting.
To restore the original screen, press the ENTER or ← key.

STATUS (on-screen display)

Sets up the on-screen display.
ON: Shows all of the on-screen displays.
OFF: Turns off the on-screen displays except for the menus, a message when turning off the power, and warning messages.
For details on the warning messages, see page 27 (GB).

INPUT-A

Selects the RGB or component signal input from the INPUT A connector.

Note

If the setting is not correct, "Please check INPUT-A in SET SETTING." appears on the screen and the color of the picture becomes strange or the picture is not displayed.

LANGUAGE

Selects the language used in the menu and on-screen displays.
Available languages are: English, French, German, Italian, Spanish, Japanese and Chinese.

SPEAKER

Set to OFF to cut off the sound of the internal speakers. When set to OFF, "SPEAKER OFF" appears on the screen when you turn on the power.

POWER SAVING

When set to ON, the projector goes into the power saving mode if no signal is input for 10 minutes.

SIRCS RECEIVER

Selects the remote control detectors (SIRCS receiver) on the front and rear of the projector.
FRONT & REAR: Activates both the front and rear detectors.
FRONT: Activates the front detector only.
REAR: Activates the rear detector only.

Maintenance

Replacing the Lamp

When it is time to replace the lamp, replace the lamp promptly with a new LMP-P120 Projector Lamp.

When replacing the lamp after using the projector

Turn off the projector, then unplug the power cord. Wait for at least an hour for the lamp to cool.

Note

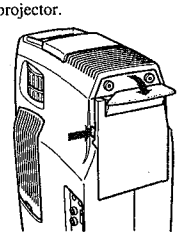
The lamp becomes a high temperature after turnig off the projector with the I / ⏻ key. If you touch the lamp, you may scald your finger. When you replace the lamp, wait for at least an hour for the lamp to cool.

1 Place a protective sheet (cloth) beneath the projector. Tilt the projector 90 degrees backward so you can see the bottom.

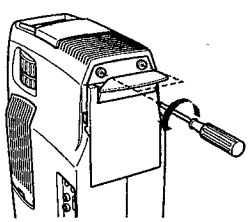
Note

Be careful not to topple over the projector after turning it over.

2 Press the adjuster button. The adjuster will extend from the projector.



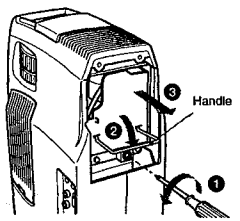
3 Open the lamp cover that is a part of the adjuster by loosening two screws with the Philips screwdriver (supplied with the LMP-P120 Projector Lamp).



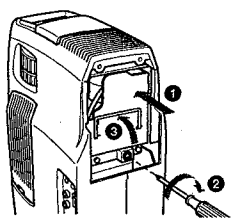
Note

For safty sake, do not loosen any other screws.

4 Loosen the screw on the lamp unit with the Philips screwdriver. Pull out the lamp unit by the handle.



5 Insert the new lamp all the way in until it is securely in place. Tighten the screw. Fold up the handle.



Notes

- Be careful not to touch the glass surface of the lamp.
- The power will not turn on if the lamp is not secured properly.

6 Close the lamp cover and tighten the screws.

7 Turn the adjuster inward and push it back.

8 Turn the projector back over.

9 Connect the power cord and turn the projector to the standby mode.

10 Press the following keys on the control panel in the following order for less than in five seconds each: RESET, ←, →, ENTER.

Notes

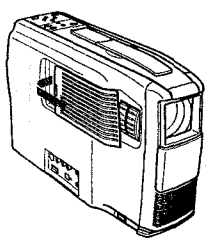
- Be sure to use the LMP-P120 Projector Lamp for replacement. If you use lamps other than LMP-P120, the projector may cause a malfunction.
- Be sure to turn off the projector and unplug the power cord before replacing the lamp.
- Do not put your hands into the lamp replacement spot, or not fall any liquid or object into it to avoid electrical shock or fire.

Cleaning the Air Filter

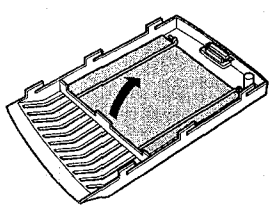
The air filter should be cleaned every 300 hours. When it becomes difficult to remove the dust from the filter, replace the filter with a new one.
To clean the air filter, follow the steps below:

1 Turn off the power and unplug the power cord.

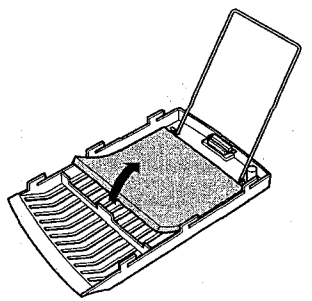
2 While holding down the air filter cover button on the filter cover, slide the cover toward the lens to remove it.



3 Pull up the spring.



4 Remove the air filter.



5 Remove the dust from the filter with a vacuum cleaner.

6 Attach the air filter and replace the cover.

Troubleshooting

If the projector appears to be operating erratically, try to diagnose and correct the problem, using the following guide. If the problem still persists, consult with qualified Sony personnel.

Symptom	Cause	Remedy
The power is not turned on.	The power has been turned off and on with the I / ⏻ key at a short interval.	Wait for about 90 seconds before turning on the power *(see page 17 (GB))*.
	The lamp cover is detached.	Close the lamp cover securely *(see page 24 (GB))*.
	The air filter cover is detached.	Close the air filter cover securely *(see page 25 (GB))*.
No picture and no sound.	Cable is disconnected.	Check that the proper connections have been made *(see pages 14 (GB) to 16 (GB))*.
	Wrong connection.	Check that the proper connections have been made *(see pages 14 (GB) to 16 (GB))*.
	Input selection is incorrect.	Select the input source correctly using the INPUT key *(see page 17 (GB))*.
No picture or no sound.	Either the picture or the sound is cut off.	Press the MUTING keys to release the muting function *(see page 17 (GB))*.
No picture.	The computer signal is not set to output to external monitor.	Set the computer signal to output to external monitor *(see page 14 (GB))*.
	The computer signal is set to output to both the LCD of the computer and external monitor.	Set the computer signal to output only to external monitor *(see page 14 (GB))*.
The picture is noisy.	Noise may appear on the background depending on the combination of the numbers of dot input from the connector and numbers of pixel on the LCD panel.	Change the desktop pattern on the connected computer.
When inputting sound through INPUT A connector, sound comes through one channel only.	Monaural sound is being input through the INPUT A connector.	Input stereo sound.
The picture input from the INPUT A connector is too bright.	The 75-ohm termination switch on the bottom of the VPL-PX1 is set to OFF.	Set the 75-ohm termination switch to ON.
The picture from INPUT A connector is colored strange.	Setting for INPUT-A in the SET SETTING menu is incorrect.	Select RGB or COMPONENT for INPUT-A in the SET SETTING menu according to the input signal *(see page 23 (GB))*.
"Please check INPUT-A in SET SETTING." appears in spite of inputting the correct signal from INPUT A.	Setting for INPUT-A in the SET SETTING menu is incorrect.	Select RGB or COMPONENT for INPUT-A in the SET SETTING menu according to the input signal *(see page 23 (GB))*.
On-screen display do not appear.	STATUS in the SET SETTING menu has been set to OFF.	Set STATUS in the SET SETTING menu to ON *(see page 23 (GB))*.
Color balance is incorrect.	Picture has not been adjusted properly.	Adjust the picture *(see pages 19 (GB) and 20 (GB))*.
	Projector is set to wrong color system.	Set COLOR SYS in the PICTURE CTRL menu to match the color system being input *(see page 20 (GB))*.
The picture is too dark.	Contrast or brightness has not been adjusted properly.	Adjust the contrast or brightness in the PICTURE CTRL menu properly *(see page 20 (GB))*.
The picture is not clear.	Picture is out of focus.	Adjust the focus *(see page 17 (GB))*.
	Condensation has occurred on the lens.	Leave the projector for about two hours with the power on *(see page 28 (GB))*.

Symptom	Cause	Remedy
The LAMP/COVER indicator flashes.	The lamp cover or the air filter cover is detached.	Attach the cover securely *(see pages 24 (GB) and 25 (GB))*.
The LAMP/COVER indicator lights up.	The lamp has reached the end of its life.	Replace the lamp *(see page 24 (GB))*.
	The lamp becomes a high temperature.	Wait for 90 seconds to cool down the lamp and turn on the power again *(see page 17 (GB))*.
The TEMP/FAN indicator flashes.	The fan is broken.	Consult with qualified Sony personnel.
The TEMP/FAN indicator lights up.	The internal temperature is unusually high.	Check to see if nothing is blocking the ventilation holes.
The Remote Commander does not work.	The Remote Commander batteries are dead.	Replace with new batteries *(see page 13 (GB))*.
	The COMMANDER ON/OFF switch is set to the OFF position.	Set the switch to ON position *(see page 12 (GB))*.
	The cable is connected to the CONTROL S OUT jack.	Disconnect the cable *(see page 12 (GB))*.
	The front/rear remote control detector is near the fluorescent lamp.	Change the setting of SIRCS RECEIVER in the SET SETTING menu *(see page 23 (GB))*.
The laser pointer is not emitted.	The batteries are dead.	Replace with new batteries *(see page 13 (GB))*.
	The Remote Commander is used as wired without batteries.	Install batteries *(see page 13 (GB))*.
The joystick, R CLICK, or L CLICK key does not function.	The mouse port on the computer does not recognize the mouse cable.	Restart the computer.

Warning messages

Use the list below to check the meaning of the messages displayed on the screen.

Message	Meaning	Remedy
High Temperature! Power off in 1 min.	Internal temperature is too high.	Turn off the power. Check to see if nothing is blocking the ventilation holes.
Frequency is out of range!	This input signal cannot be projected as the frequency is out of the acceptable range of the projector.	Input a signal that is within the range of the frequency.
	The resolution setting of the output signal of a computer is too high.	Set the setting of output to the XGA *(see page 14 (GB))*.
Please check INPUT-A in SET SETTING.	You have input RGB signal from the computer when INPUT-A in the SET SETTING menu is set to COMPONENT.	Set INPUT-A correctly *(see page 23 (GB))*.

Caution messages

Use the list below to check the meaning of the messages displayed on the screen.

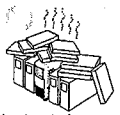
Message	Meaning	Remedy
NO INPUT	No input signal	Check connections *(see page 14 (GB) to 16 (GB))*.
Not applicable!	You have pressed the wrong key.	Press the appropriate key.

Tips for Installation

Unsuitable Installation

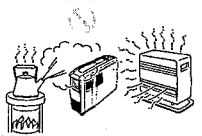
Do not install the projector in the following situations. These installations may cause malfunction or damage to the projector.

Poorly ventilated



- Allow adequate air circulation to prevent internal heat build-up. Do not place the unit on surfaces (rugs, blankets, etc.) or near materials (curtains, draperies) that may block the ventilation holes. When the internal heat builds up due to the block-up, the temperature sensor will function with the message "High Temperature! Power off in 1 min." The power will be turned off automatically after one minute.
- Leave space of more than 30 cm (11 7/8 inches) around the unit.
- Be careful that the ventilation holes may inhale tininess such as a piece of paper.

Highly heated and humid



- Avoid installing the unit in a location where the temperature or humidity is very high, or temperature is very low.
- To avoid moisture condensation, do not install the unit in a location where the temperature may rise rapidly.

Very dusty

Avoid installing the unit in a location where there is a lot of dust; otherwise, the air filter will be obstructed. The dust blocking the air through the filter may cause raising the internal heat of the projector. Clean it up periodically.

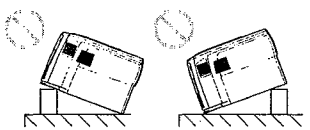
Notes on Installation

Carry out the followings.

No toppling of the unit

Avoid using as the unit topples over on its side. It may cause malfunction.

Use to be level



Do not install the unit other than on the floor.
Do not adjust the height of the projector except the use of the adjuster.
Avoid using as the unit tilts upward or downward.
These installation may cause malfunction.

No blocking the ventilation holes

Avoid using something to cover over the ventilation holes; otherwise, the internal heat may build up.

Specifications

Optical characteristics

Projection system	3 LCD panels, 1 lens, projection system
LCD panel	0.9-inch TFT LCD panel with micro-lens array, 2,359,296 pixels (786,432 pixels × 3)
Lens	1.3 times zoom lens f 37.3 to 48.5 mm/F 1.7 to 2.0
Lamp	120 W UHP
Projection picture size	Range: 40 to 200 inches (diagonal measure)
Light output	ANSI lumen[1] 1000 lm
Throwing distance	40-inch: 1590 to 2040 mm (62 5/8 to 80 3/8 inches) 60-inch: 2440 to 3100 mm (96 1/8 to 122 1/8 inches) 80-inch: 3280 to 4160 mm (129 1/4 to 163 7/8 inches) 100-inch: 4120 to 5220 mm (162 1/4 to 205 5/8 inches) 120-inch: 4970 to 6280 mm (195 3/4 to 247 1/4 inches) 150-inch: 6230 to 7870 mm (245 3/8 to 309 7/8 inches) 200-inch: 8340 to 10520 mm (328 3/8 to 414 1/4 inches)

Electrical characteristics

Color system	$NTSC_{3.58}$/PAL/SECAM/$NTSC_{4.43}$/PAL-M system, switched automatically/manually
Resolution	750 horizontal TV lines (Video input) 1024 × 768 dots (RGB input)
Acceptable computer signals	fH: 15 to 91 kHz fV: 50 to 85 Hz
Speaker	Stereo speakers system, 36 mm (1 7/16 inches) diameter, max. 1.0 W × 2

Input/Output

Video/audio input	VIDEO: phono type Composite video: 1 Vp-p ±2 dB sync negative (75 ohms terminated) S VIDEO: Y/C mini DIN 4-pin type (male) Y (luminance): 1 Vp-p ±2 dB sync negative (75 ohms terminated) C (chrominance): burst 0.286 Vp-p ±2 dB (NTSC) (75 ohms terminated), burst 0.3 Vp-p ±2 dB (PAL) (75 ohms terminated) AUDIO: Phono type × 2 500 mVrms, impedance more than 47 kilohms
INPUT A	INPUT A: HD D-sub15-pin (female) Analog RGB/component: R/R-Y: 0.7 Vp-p ±2 dB (75 ohms terminated) G: 0.7 Vp-p ±2 dB (75 ohms terminated) G with sync/Y: 1 Vp-p ±2 dB sync negative (75 ohms terminated) B/B-Y: 0.7 Vp-p ±2 dB (75 ohms terminated) SYNC/HD: Composite sync input: 1-5 Vp-p high impedance, positive/negative Horizontal sync input: 1-5 Vp-p high impedance, positive/negative VD: Vertical sync input: 1-5 Vp-p high impedance, positive/negative MOUSE (output): 13-pin (female) *(For details, see "Pin assignment" on page 30 (GB).)* AUDIO: Stereo minijack 500 mVrms, impedance more than 47 kilohms

(Continued)

1) ANSI lumen is a measuring method of American National Standard IT 7.228.

AUDIO OUT (variable out): stereo minijack
Max. 500 mVrms, impedance less than 5 kilohms
Safety regulations: UL1950, cUL (CSA C22.2 No.950), FCC Class A, IC Class A, DHHS, EN60950, EN60825-1, CE, C-Tick

Laser beam

Laser type	Class 2
Wavelength	645 nm
Output	1 mW

General

Dimensions 108 × 223 × 337 mm (4 3/8 × 8 7/8 × 13 3/8 inches) (w/h/d)
Mass Approx. 4 kg (8 lb 13 oz)
Power requirements
AC 100 to 240 V, 2A/0.9A, 50/60 Hz
Power consumption
Max. 200 W (Standby mode: 2 W)
Heat dissipation 648.37 BTU
Operating temperature
0°C to 40°C (32°F to 104°F)
Operating humidity
35% to 85% (no condensation)
Storage temperature
–20°C to 60°C (–4°F to 140°F)
Storage humidity 10% to 90%
Supplied accessories
Remote Commander RM-PJM600 (1)
Size AA (R6) batteries (2)
HD D-sub 15-pin Cable (1)
Mouse Cable
SIC-S22 (for PS/2) (2 m) (1)
Audio/video cable (1.5 m) (1)
Strap for Remote Commander (1)
AC power cord (1)
Air filter (for replacement) (1)
Operating Instructions (1)
Quick Reference Card (1)
Warranty Card (1)

Design and specifications are subject to change without notice.

Optional accessories

Projector Lamp LMP-P120[1] (for replacement)
Carrying Case VLC-SC50[1]
Signal Selector IFU-SC50
Video Signal Cable SMF-401 (HD D-sub 15-pin (male) ⟷ HD D-sub 15-pin (male))
Signal Cable
SMF-402 (HD D-sub 15-pin (male) ⟷ 3 × phono type (male))
Mouse Cable
SIC-S20 (for Macintosh) (2 m)
SIC-S21 (for Serial) (2 m)
SIC-S22 (for PS/2) (2 m)
Signal Adapter
ADP-10 (HD D-sub 15-pin ⟷ D-sub 9-pin (for SIC cable))
ADP-20 (Macintosh ⟷ HD D-sub 15-pin)
SIC cable
SIC-20A/20C/21/22
Screens
80-inch Portable VPS-80C
100-inch Flat Screen VPS-100FH
120-inch Flat Screen VPS-120FH

Some of the items may not be available in some areas. For details, please consult your nearest Sony office.

Pin assignment

INPUT A connector (HD D-sub 15-pin, female)

1	R/R-Y	9	N.C.
2	G/Y	10	GND
3	B/B-Y	11	GND
4	GND	12	N.C.
5	GND	13	HD/C.Sync
6	GND (R)	14	VD
7	GND (G)	15	N.C.
8	GND (B)		

MOUSE connector (13-pin, female)

1	RTS	8	R
2	GND	9	98/AT/TXD
3	XA	10	+5V/DTR
4	XB	11	CLOCK
5	YA	12	DATA
6	YB	13	RXD
7	L/PS		

Mouse cable pin assignment

SIC-S22

13-pin

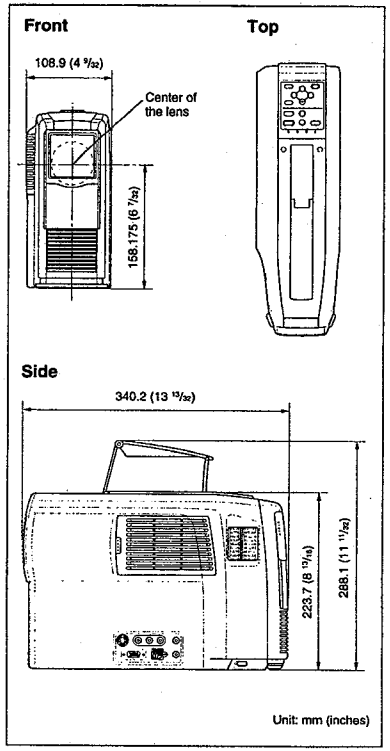
1	RTS	8	R
2	GND	9	98/AT/TXD
3	XA	10	+5V/DTR
4	XB	11	CLOCK
5	YA	12	DATA
6	YB	13	RXD
7	L/PS		

mini DIN 6-pin

1	DATA
2	NC
3	GND
4	+5V
5	CLOCK
6	NC

1) LMP-P120 and VLC-SC50 may not be available in some areas. For details, please consult your nearest Sony office.

Dimensions



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SONY

3-867-700-01 (1)

早わかりカード / Quick Reference Card / Carte de référence rapide / Tarjeta de referencia rápida / Kurzreferenz / Scheda di riferimento rapido

VPL-PX1

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接続 / Connections / Connexions / Conexiones / Anschlüsse / Collegamenti

Ⓐ ステレオオーディオ接続ケーブル / Stereo audio connecting cable / Câble de connexion audio stéréo / Cable de conexión de audio estéreo / Stereo-Audioverbindungskabel / Cavo di collegamento audio stereo

Ⓑ HD D-sub 15ピンケーブル / HD D-sub 15-pin cable / Câble HD D-sub à 15 broches / Cable HD D-sub 15 pines / 15poliges D-Sub-Kabel hoher Dichte / Cavo HD D-sub a 15 piedini

Ⓒ シグナルアダプター / Signal adapter / Adaptateur de signal / Adaptador de señales / Signaladapter / Adattatore del segnale

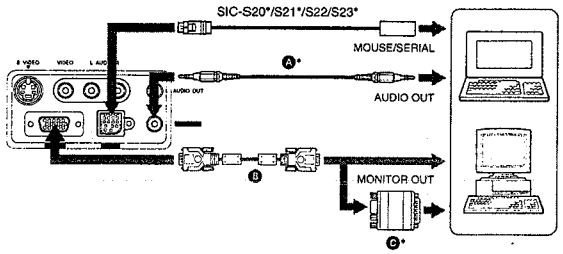
Ⓓ Sビデオ接続ケーブル / S-video cable / Câble S-vidéo / Cable de vídeo S / S-Videokabel / Cavo S-Video

Ⓔ A/V接続ケーブル / Audio/video cable / Câble audio/vidéo / Cable de audio/vídeo / Audio-/Videokabel / Cavo audio/video

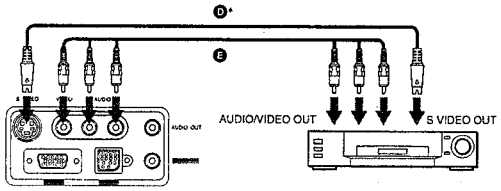
投射距離 / Projection Distances / Distances de projection / Distancias de proyección / Projektionsentfernungen / Distanze di proiezione

スクリーンサイズ (インチ) / Screen size(inches) / Taille de l'écran (pouces) / Tamaño de la pantalla (pulgadas) / Projektionsschirmgröße (Zoll) / Dimensione schermo (pollici)	距離 (m) / Distance (m (feet)) / Distance (m (pieds)) / Distancia (m (pies)) / Abstand (m) / Distanza (m)
40	1.6–2.0 (5.2–6.7)
60	2.4–3.1 (8.0–10.2)
80	3.3–4.2 (10.8–13.7)
100	4.1–5.2 (13.5–17.1)
120	5.0–6.3 (16.3–20.6)
150	6.2–7.9 (20.4–25.8)
200	8.3–10.5 (27.4–34.5)

コンピューターの接続 / Connecting with a computer / Raccordement à un ordinateur / Conexión con ordenador / Anschließen an einen Computer / Collegamento a un computer

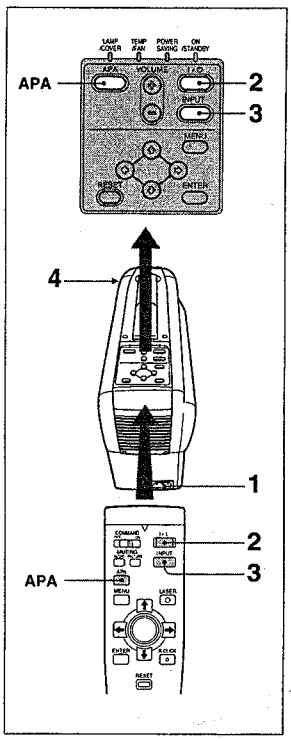


ビデオ機器の接続 / Connecting with a VCR / Raccordement à un magnétoscope / Conexión con una vídeograbadora / Anschließen an einen Videorecorder / Collegamento a un videoregistratore



* 別売り / not supplied / non fourni / no suministrado / nicht mitgeliefert / non in dotazione

基本操作 / Basic Operation / Opération de base / Operación básica / Grundfunktion / Operazione di base



日本語

1 各機器の接続が終了したら、電源コードをコンセントに差し込む。
2 I / ⏻ キーを押して、電源を入れる。
3 接続した機器の電源を入れ、INPUTキーを押して、「入力A」または「ビデオ」を選ぶ。
4 フォーカスリングを回してフォーカスを、ズームリングを回して画面の大きさを調整する。

コンピューター画像の画質を自動調整するには

APA (Auto Pixel Alignment) キーを押してください。

English

1 After all equipment is connected completely, plug the AC power cord into the wall outlet.
2 Press the I / ⏻ key to turn on the projector.
3 Turn on equipment connected to the projector. Press the INPUT key to select "INPUT-A" or "VIDEO".
4 Turn the focus ring to adjust the focus, and turn the zoom ring to adjust the size of the picture.

To adjust the picture of computer automatically

Press the APA (Auto Pixel Alignment) key.

Français

1 Après avoir branché tous les appareils correctement, branchez le cordon d'alimentation dans la prise secteur.
2 Appuyez sur la touche I / ⏻ pour mettre le projecteur sous tension.
3 Mettez sous tension l'appareil raccordé au projecteur. Appuyez sur la touche INPUT pour sélectionner "ENT.A" ou "VIDEO".
4 Tournez la bague de mise au point pour régler la mise au point optimale puis la bague de zoom pour régler la taille de l'image.

Pour régler l'image d'un ordinateur automatiquement

Appuyez sur la touche APA (Auto Pixel Alignment).

Español

1 Una vez conectados todos los equipos por completo, enchufe el cable de alimentación de CA en la toma de corriente.
2 Pulse la tecla I / ⏻ para encender el proyector.
3 Encienda el equipo conectado al proyector. Pulse la tecla INPUT para ajustar "ENTRAD A" o "VIDEO".
4 Gire el anillo de enfoque para ajustar el enfoque y gire el anillo de zoom para ajustar el tamaño de la imagen.

Para ajustar la imagen del ordenador automáticamente

Pulse la tecla APA (Auto Pixel Alignment).

Deutsch

1 Wenn alle Geräte vollständig angeschlossen sind, stecken Sie den Stecker des Netzkabels in die Netzsteckdose.
2 Schalten Sie den Projektor mit der Taste I / ⏻ ein.
3 Schalten Sie die an den Projektor angeschlossenen Geräte ein. Wählen Sie mit der Taste INPUT die Eingangsquelle „EING.A" oder „VIDEO" aus.
4 Drehen Sie zur Fokuseinstellung den Fokussierring und drehen Sie den Zoom-Ring, um die Größe des Bildes einzustellen.

Zum automatischen Einstellen des Bildes des Computers

Drücken Sie die Taste APA (Auto Pixel Alignment).

Italiano

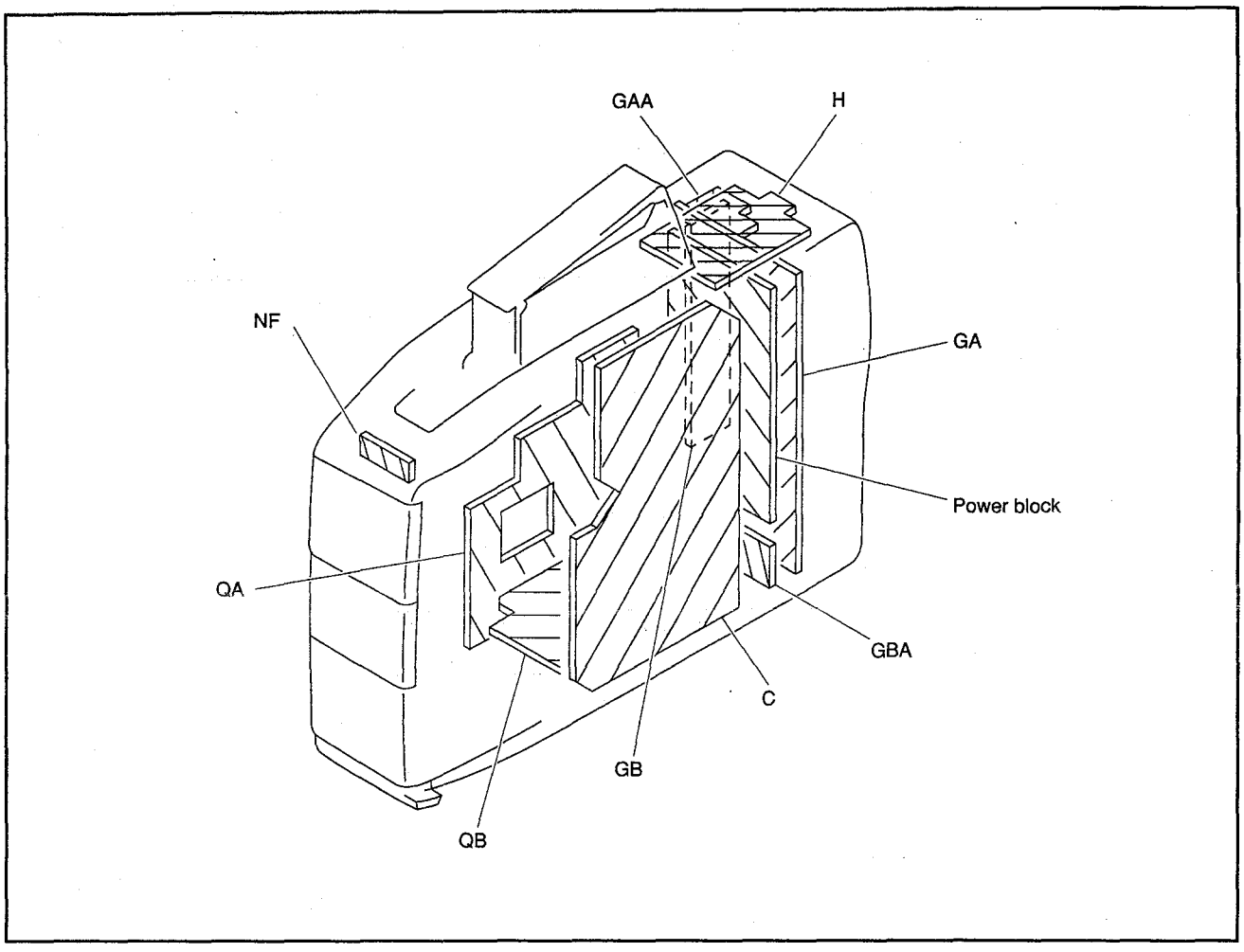
1 Una volta completati tutti i collegamenti, collegare l'alimentatore CA alla presa a muro.
2 Premere il tasto I / ⏻ per accendere il proiettore.
3 Accendere l'apparecchio collegato al proiettore. Premere il tasto INPUT per selezionare "INGRE A" o "VIDEO".
4 Ruotare il regolatore della focalizzazione per regolare la messa a fuoco e ruotare il regolatore dello zoom per regolare le dimensioni dell'immagine.

Per regolare l'immagine da un computer automaticamente

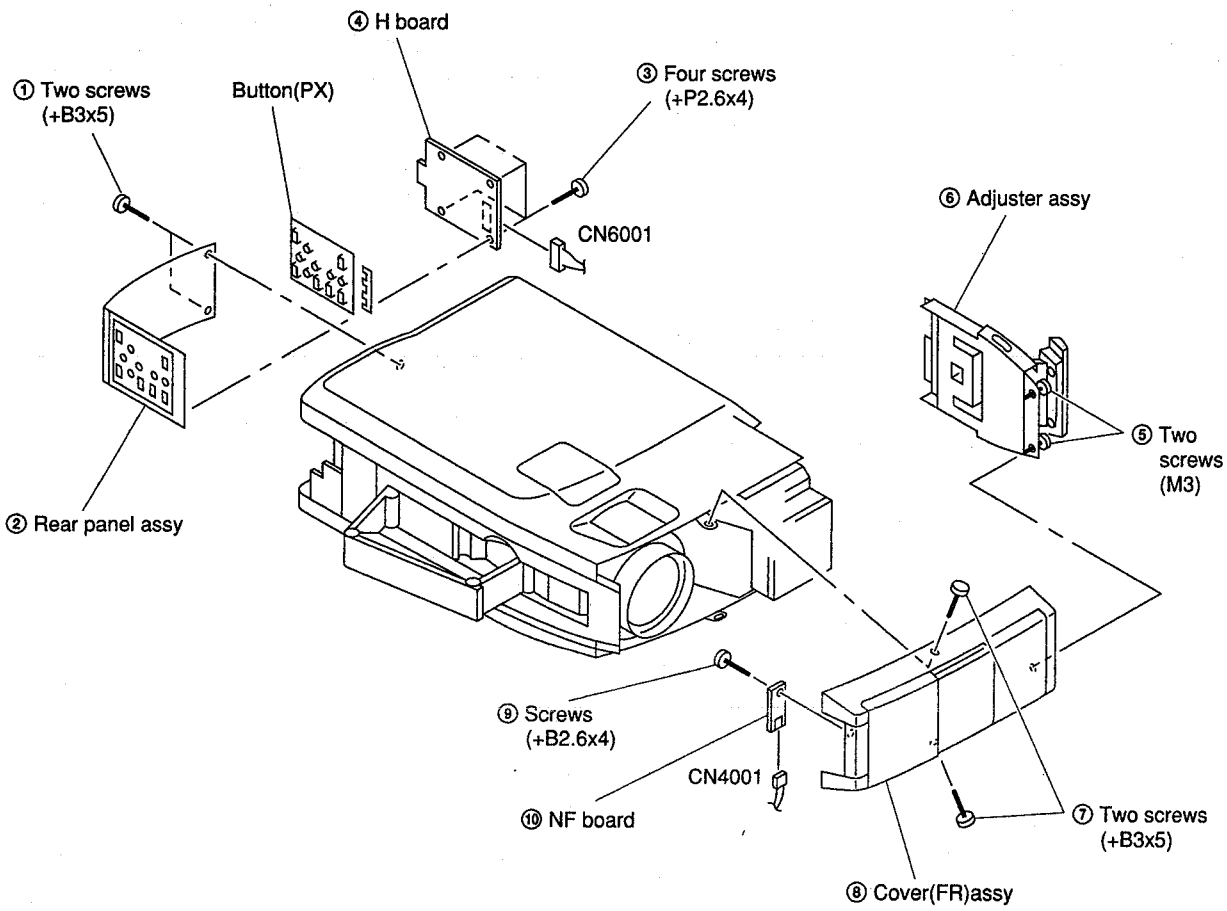
Premere il tasto APA (Auto Pixel Alignment).

Section 2
Service Information

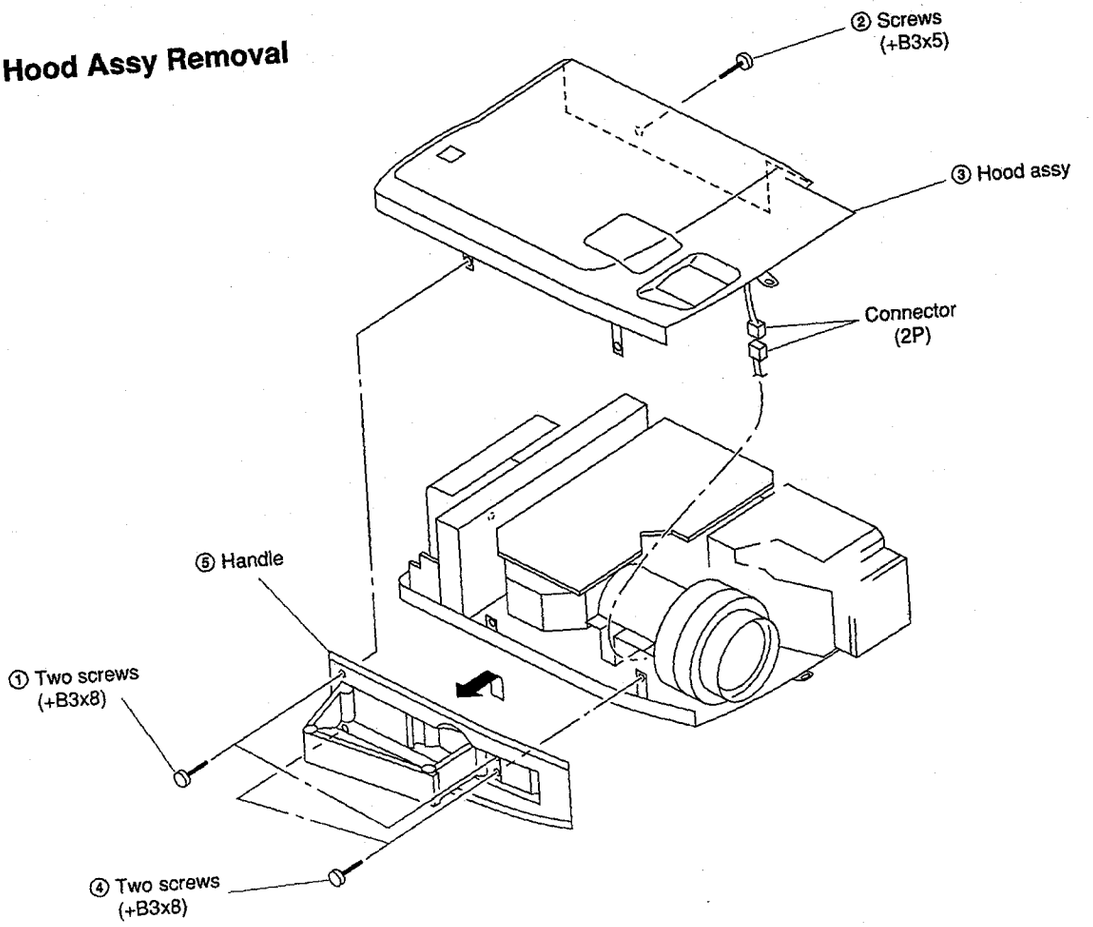
2-1. Circuit Boards Location



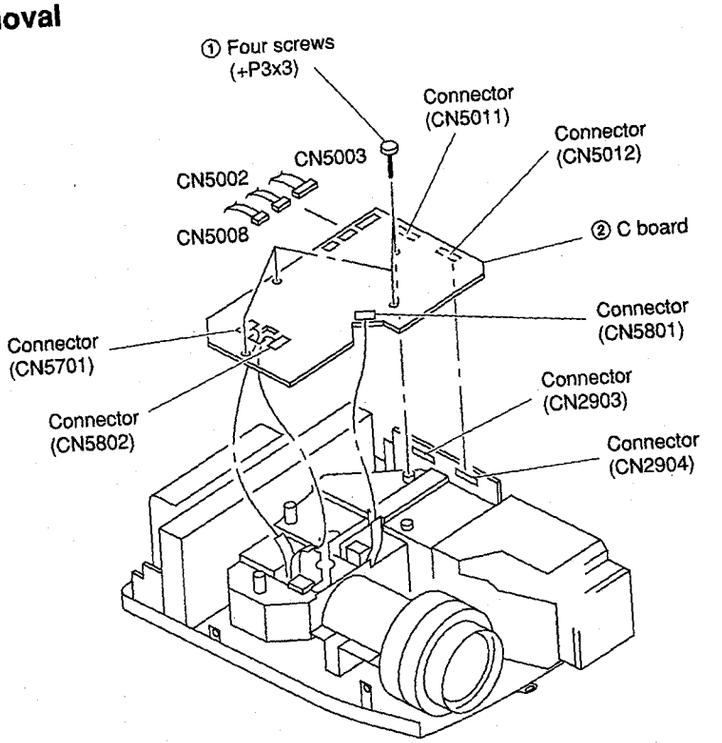
2-2. H and NF Boards Removal



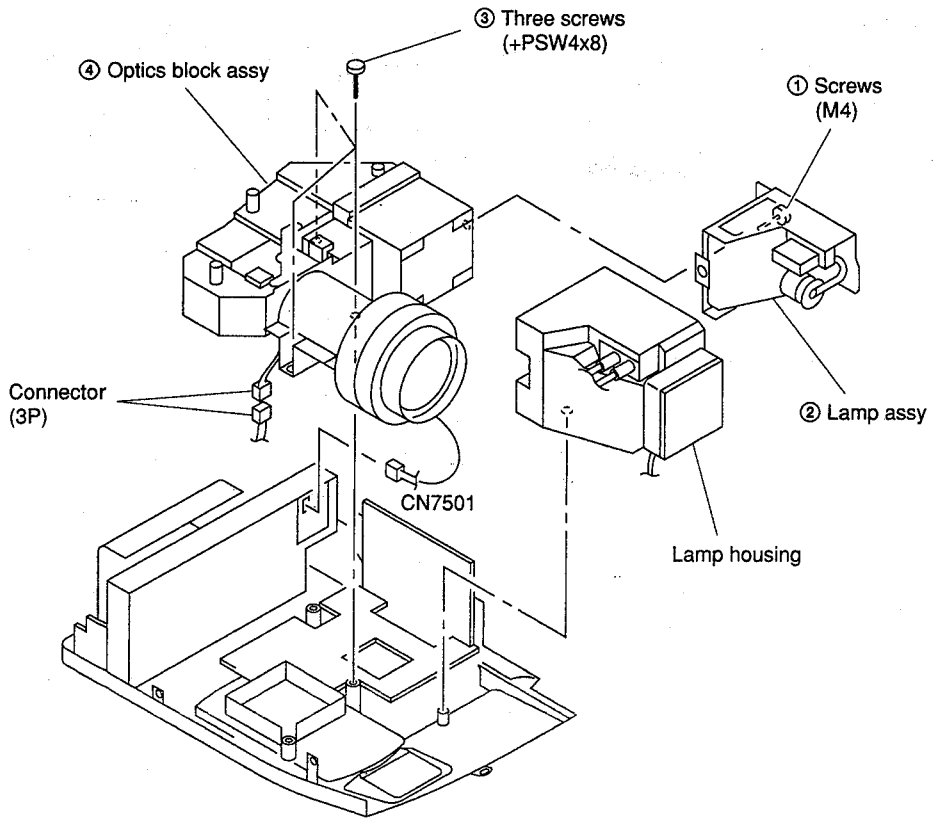
2-3. Hood Assy Removal



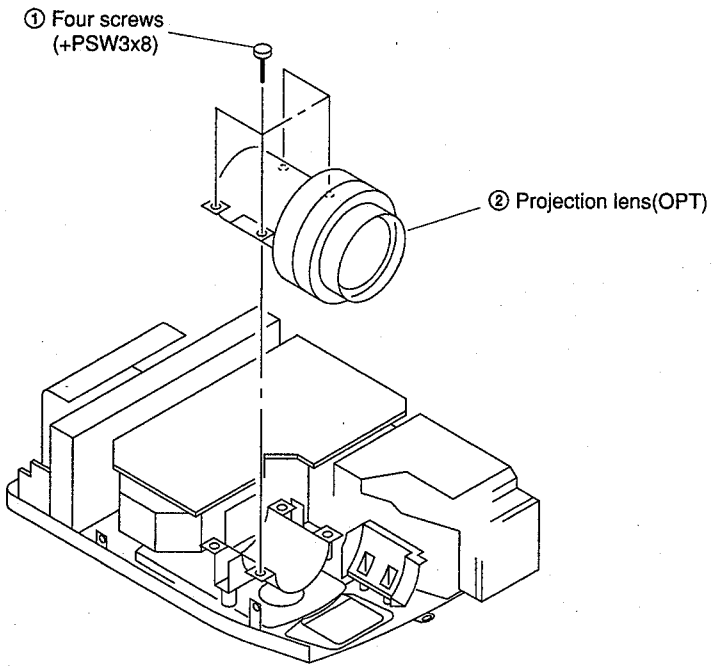
2-4. C Board Removal



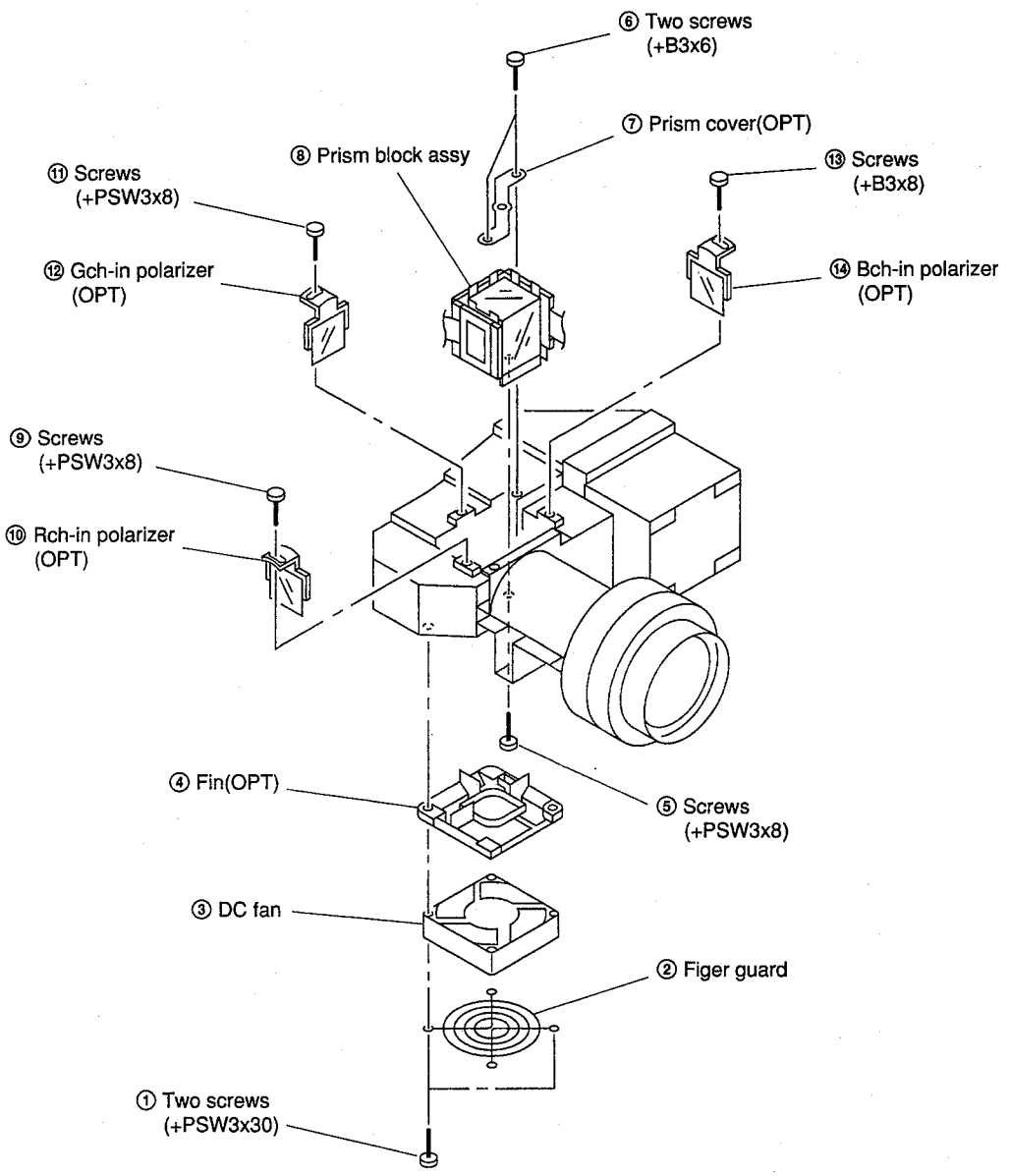
2-5. Optics Block Assy Removal



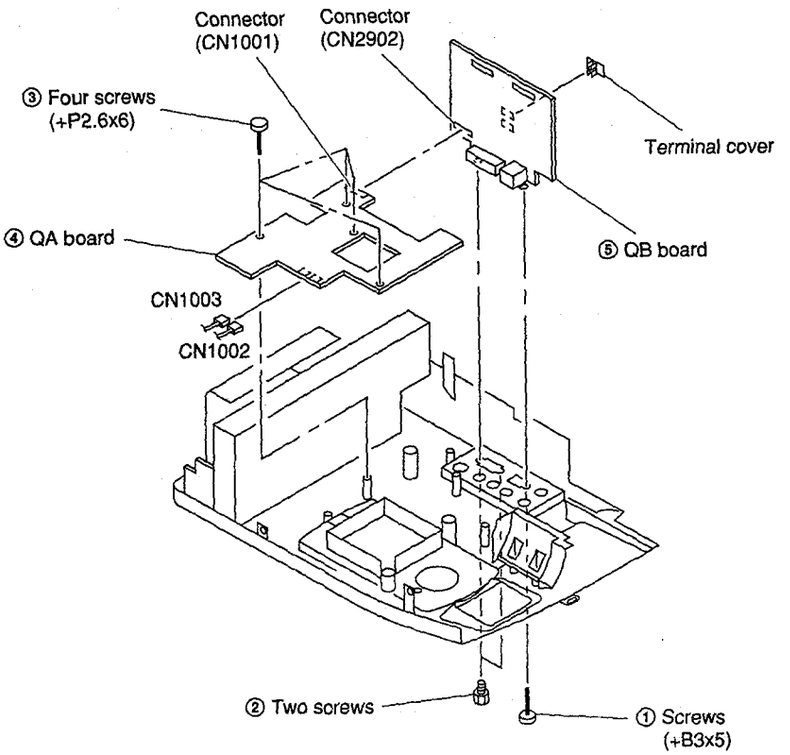
2-6. Projection Lens Removal



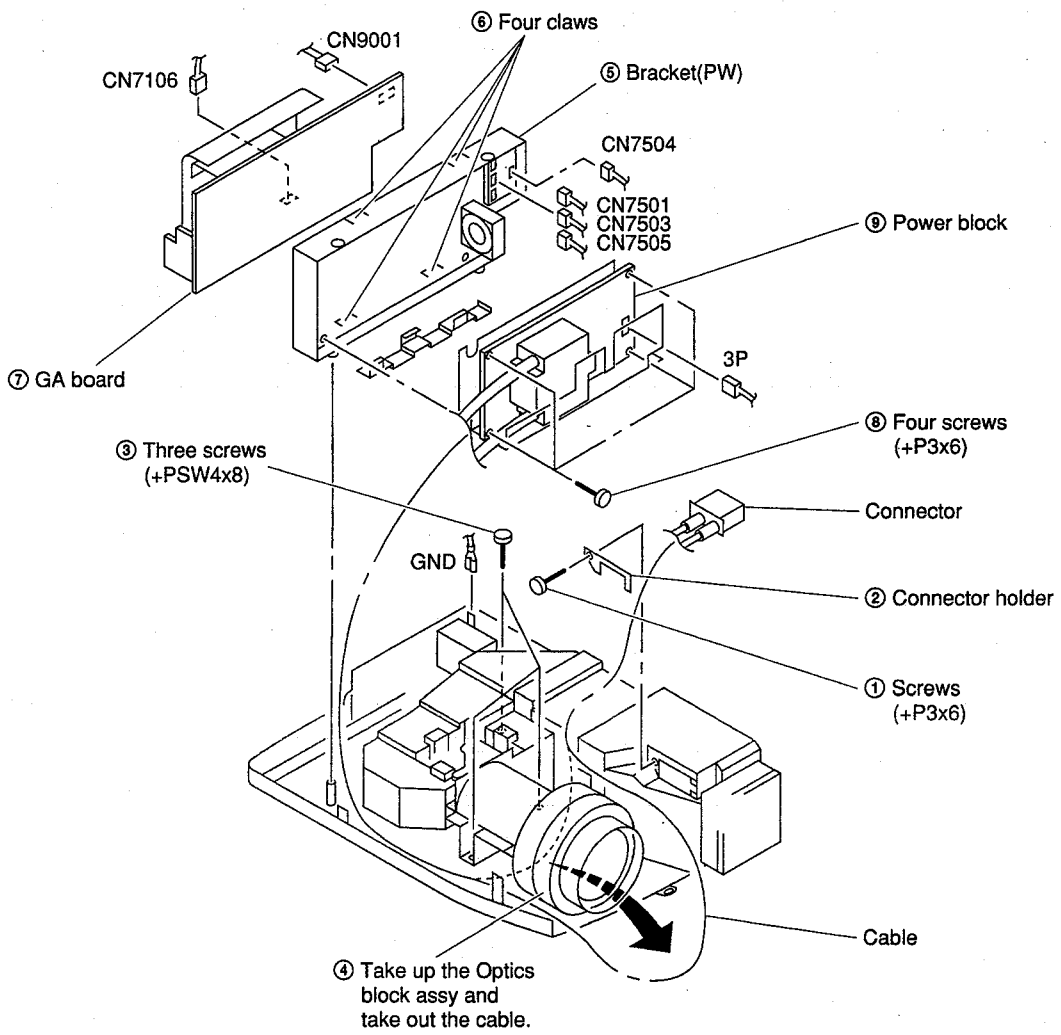
2-7. Prism Block Assy and R/G/B Ch-IN Polarizer Removal



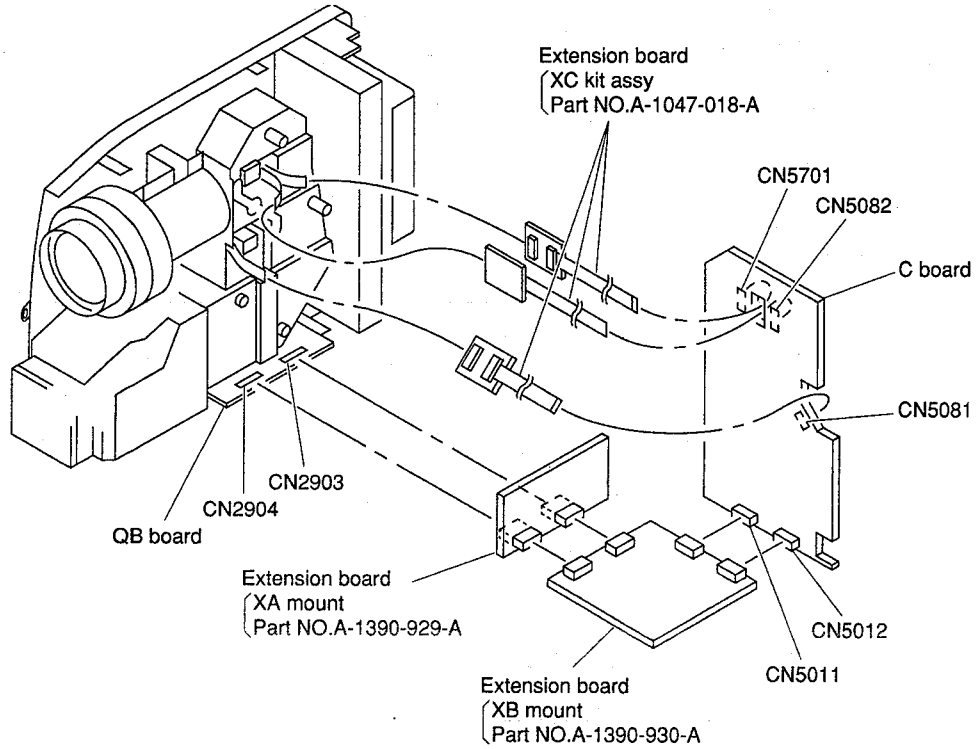
2-8. QA and QB Boards Removal



2-9. GA Board and Power Block Removal



2-10. Service Position
(Extention Cable Connection)



Section 3
Electrical Adjustments

3-1. Preparations

3-1-1. Equipment Requitred

- Oscilloscope
  Tektronix 2465 or equivalent
  (bandwidth: 350 MHz or more)
- NTSC, PAL, SECAM component signal generator
  Tektronix TG2000 + AVG1 (optionalmodule)
  +AWVG1 (optionalmodule) or equivalent
- VG (Programmable video signal generator)
  VG814 or equivalent
- Digital voltmeter
  Advantest TR6845 or equivalent
- Luminance meter

Note: Perform the following adjustments at least 5 minutes after turning on the power.

3-1-2. Setting the Factory Mode

1. Check that the STATUS is ON in MENU.
2. Exit MENU.
3. Press the keys in the following order;
   "ENTER" → "ENTER" → "LEFT" → "ENTER".
4. The message "Do you wish to enter into the FACTORY MODE?" will be displayed.
5. Select YES.

3-2. VCOM Adjustment

1. Input the green-only 1H inverted signal to INPUT-A.
2. Set CONTRAST to 50 and BRIGHT to 50.
3. Set the screen for adjusting G VCOM of "Device Adjust."
   Adjust G VCOM so that flicker is minimum.
4. Input the red-only and blue-only 1H inverted signal, and adjust R VCOM and B VCOM respectively so that flicker becomes minimum.
5. Memorize the adjustment value.

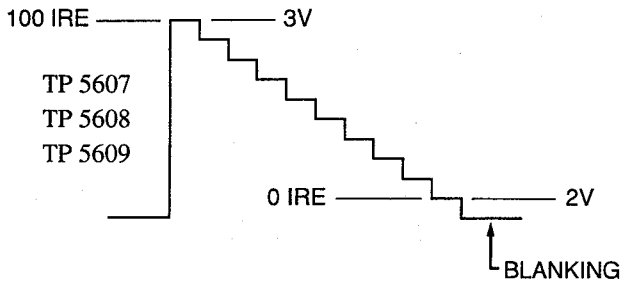
3-3. Signal Level Adjustment

Set as follows;
GAMMA MODE : GRAPHICS, W/B : LOW mode
INPUT-A : 10 steps, VIDEO : 100% COLOR BAR
CONTRAST : 80, BRIGHT:50 (initial value).

3-3-1. RGB Level Adjustment

1. Adjust W/B R, G, B GAIN and W/B R, G, B BIAS so that the levels of TP5607, TP5608 and TP5609 satisfy the specifications.
2. Memorize the adjustment values.

RGB LEVEL SPECIFICATION
0 IRE : 2.00 ± 0.02 Vdc
100 IRE : 3.00 ± 0.02 Vdc



3-3-2. VIDEO Level Adjustment

1. Switch the input to INPUT-A, input 15k Component 100% COLOR BAR, and set COLOR to MIN.
   For 15k Component, as using the following inputs;
   Y=0.7V (ped to 100 IRE)
   R-Y/B-Y=0.7 Vp-p
2. Adjust W/B R, G, B GAIN and W/B R, G, B BIAS so that the levels of TP5607, TP5608 and TP5609 satisfy the specifications.
3. Memorize the adjustment values.
4. Return COLOR to 50 (initial value).
5. Set RGB MATRIX [21] ENB of Device Adjust menu to "0."
6. Switch the input to VIDEO, input NTSC 100% COLOR BAR, and set COLOR to MIN.
7. Input the NTSC 100% COLOR BAR to VIDEO.
   Adjust RGB MTRX CONTRAST/BRIGHT so that the level of TP5609 satisfies the specification.
   Memorize the adjustment value.
8. Input the PAL 100% COLOR BAR to VIDEO.
   Adjust RGB MTRX CONTRAST/BRIGHT so that the level of TP5609 satisfies the specification.
   Memorize the adjustment value.

9. Return COLOR to 50 (initial value).

VIDEO LEVEL SPECIFICATION
Set TP5607, TP5608, and TP5609 as follows;
0 IRE : 2.00 ± 0.02 Vdc
100 IRE : 2.90 ± 0.02 Vdc

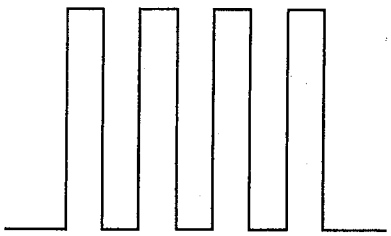
Note: Do not change RGB MTRX VIDEO CON and YUV CON.

10. Return RGB MATRIX [21] ENB of Device Adjust menu to "1."

3-3-3. VIDEO SUB HUE COLOR Adjustment

Set both INPUT-A and VIDEO to COLOR 43.

1. Adjust RGB MTRX SUB HUE to b=c so that the level of TP5609 satisfy the specification.
   Adjust RGB MTRX VIDEO COL or YUV COL to a=d.
   Perform tracking adjustment for the two items above.
2. Memorize the adjustment value.
3. Adjust NTSC, PAL, and Component.
   Adjust only VIDEO COL for PAL.
   Adjust only YUV COL for Component.



TP5609 : a=b ± 10%

VIDEO COLOR HUE Adjustment SPEC

4. Return COLOR to 50.

3-4. GAMMA W/B ADJUSTMENT

INPUT-A : XGA FLAT FIELD, 15k Component FLAT FIELD, (NTSC, PAL can be used instead of 15k Component).

Note 1: Perform pre-aging of the unit for more than 5 minutes in the all white state.
Note 2: Perform the above adjustment with the lens set to WIDE end.
Note 3: Be sure to turn off the OSD when measuring the chromaticity.

The W/B MEMORY consists of two modes-HIGH and LOW for both the RGB and VIDEO inputs.

3-4-1. GAMMA Adjustment

3-4-1-1. Graphics Mode Adjustment

1. Set GAMMA MODE to Graphics to set HIGH MODE.
2. Input XGA FLAT FIELD 100 IRE to INPUT-A.
3. Copy the W/B LOW MODE data to W/B of HIGH MODE and memorize the data.
4. Set CONTRAST to MAX and BRIGHT to MAX.
   Measure the chromaticity (Xw, Yw).
5. Input the green-only XGA FLAT FIELD 100 IRE.
6. Measure the brightness Ygmax.
7. Set CONTRAST to 80 and BRIGHT to 50 (initial value).
8. Input the XGA green-only FLAT FIELD 80 IRE to INPUT-A.
   Adjust GAMMA/G SBRT so that the brightness Y80 satisfies the specification.
   Brightness adjustment specification (take the average of five measurements as the brightness)
   Y80=Ygmax x 0.680 ± 4%
9. Input the XGA green-only FLAT FIELD 40 IRE to INPUT-A.
   Adjust GAMMA/G GAIN so that the brightness Y40 satisfies the specification.
   Y40=Y80 x 0.218 ± 2%
10. Input the XGA green-only FLAT FIELD 20 IRE to INPUT-A.
    Adjust GAMMA/G B1P so that the brightness Y20 satisfies the specification.
    Y20=Y80 x 0.0474 ± 4%
11. Input the XGA FLAT FIELD 80 IRE to INPUT-A.
    Adjust GAMMA/R SBRT, B SBRT so that the

chromaticity at this time (white) satisfies the specification.
Specification;
80 IRE (Xw ± 0.005, Yw ± 0.003)

12. Input the XGA FLAT FIELD 40 IRE to INPUT-A. Adjust GAMMA/R GAIN, B GAIN so that the chromaticity at this time (white) satisfies the specification.
Specification; 40 IRE (Xw ± 0.001, Yw ± 0.002)
13. Repeat adjustment so that both 80 IRE and 40 IRE satisfy the specification.
14. Input the XGA FLAT FIELD 20 IRE to INPUT-A. Adjust GAMMA/R B1P, B B1P so that the chromaticity at this time (white) satisfies the specification.
Specification; 20 IRE (Xw ± 0.005, Yw ± 0.005)
15. Memorize the adjustment value.

3-4-1-2. Text Mode Adjustment

1. Set GAMMA MODE to Text.
2. Perform the following processes on the value adjusted in the Graphics Mode (3-4-1-1) and copy the value.

GAMMA/GAIN:
Adjustment value in Graphics Mode +10 (Red)
Adjustment value in Graphics Mode +10 (Green)
Adjustment value in Graphics Mode +10 (Blue)
GAMMA/B1P:
Adjustment value in Graphics Mode (Both R/G/B)
GAMMA/B2P:
Adjustment value in Graphics Mode (Both R/G/B)
GAMMA/WHP:
Adjustment value in Graphics Mode (Both R/G/B)

3. Switch GAMMA MODE to Graphics.
4. Input the XGA Flat Field 50 IRE and measure the chromaticity (xg, yg) at this time.

5. Input the green-only XGA FLAT FIELD 50 IRE and measure the brightness yg 50.

6. Swichi GAMMA MODE to Text and adjust GAMMA/G GAIN to meet the specifications.
yg 50 ± 4%

7. Input the XGA Flat Field 50 IRE and adjust GAMMA/R GAIN and B GAIN.
xg ± 0.005, yg ± 0.005

8. Memorize the adjustment value.

3-4-2. RGB W/B Low Mode Adjustment

1. Input the XGA signal to the INPUT-A.
2. Set GAMMA MODE to Graphics.
3. The LOW MODE is set.
4. Perform the following processes on 3-3-1 adjustment value.

R GAIN : Adjustment value in LOW Mode +5
G GAIN : Adjustment value in LOW Mode –5
B GAIN : Adjustment value in LOW Mode As it is
R BIAS : Adjustment value in LOW Mode As it is
G BIAS : Adjustment value in LOW Mode As it is
B BIAS : Adjustment value in LOW Mode As it is

5. Memorize the adjustment value.

3-4-3. Video W/B Adjustment

3-4-3-1. High Mode

1. Input the 15k Component signal to INPUT-A.
2. The HIGH MODE will be set.
3. Perform the following processes on the 3-3-2 adjustment value, and copy the value to the HIGH MODE.

   R GAIN : Adjustment value in LOW Mode –7
   G GAIN : Adjustment value in LOW Mode –7
   B GAIN : Adjustment value in LOW Mode –7
   R BIAS : Adjustment value in LOW Mode +1
   G BIAS : Adjustment value in LOW Mode +1
   B BIAS : Adjustment value in LOW Mode +1

4. Input the 15k Component Flat Field 80 IRE to INPUT-A.
5. Lower G GAIN, and adjust the Y value.
6. If Y value is lower than the specification, lower B GAIN.
   If X value is greater than the specification, take Blue as the reference. If X value is smaller than the specification, take Red as the reference.
7. Adjust to the following chromaticity with GAINs other than the reference color.
8. Memorize the adjustment value.
9. Input the 15k Component Flat Field 30 IRE to INPUT-A.
10. Adjust to the following chromaticity with BIASs other than the reference color.
11. Repeat adjustment so that 80 IRE and 30 IRE satisfy the specification.
12. Memorize the adjustment value.

    HIGH MODE chromaticity specification:
    (x,y)=(0.275, 0.312) ± 0.005 (80 IRE)
    (x,y)=(0.275, 0.312) ± 0.007 (30 IRE)

3-4-3-2. Low Mode

1. Input the 15k Component signal to INPUT-A.
2. Set LOW MODE.
3. Perform the following processes on the 3-3-2 adjustment value.

   R GAIN : Adjustment value in LOW Mode –7
   G GAIN : Adjustment value in LOW Mode –7
   B GAIN : Adjustment value in LOW Mode –7
   R BIAS : Adjustment value in LOW Mode +1
   G BIAS : Adjustment value in LOW Mode +1
   B BIAS : Adjustment value in LOW Mode +1

4. Input the 15k Component Flat Field 80 IRE to INPUT-A.
5. Lower G GAIN, and adjust the Y value to this value.
6. If Y value is lower than the specification, lower B GAIN.
   If X value is greater than the specification, take Blue as the reference. If X value is smaller than the specification, take Red as the reference.
7. Adjust to the following color with GAINs other than the reference color.
8. Memorize the adjustment value.
9. Input the 15k Component Flat Field 30 IRE to INPUT-A.
10. Adjust to the following color with BIASs other than the reference color.
11. Repeat adjustment so that 80 IRE and 30 IRE satisfy the specification.
12. Memorize the adjustment value.

    LOW MODE chromaticity specification:
    (x,y)=(0.283, 0.326) ± 0.005 (80 IRE)
    (x,y)=(0.283, 0.326) ± 0.007 (30 IRE)

3-5. ADJUSTMENT ITEM INITIALIZE DATA

Device Name	No.	OSD Display	Memory Category				
			wb	RGB High	RGB Low	Video High	Video Low
			vid	525	625	YUV	
			gm	Graphic	Text		
W/B ADJUST		R GAIN	wb	115	113		
		G GAIN	wb	115	113		
		B GAIN	wb	115	113		
		R BIAS	wb	209	209		
		G BIAS	wb	209	209		
		B BIAS	wb	209	209		
RGB MTRX	01	RGB MTRX/CONTRAST	video	44	45	50	
	02	RGB MTRX/BR/GH1	video	35	35	35	
	03	RGB MTRX/SUB HUE	video	7	6	7	
	04	RGB MTRX/SUB BR1	video	7	7	7	
	05	RGB MTRX/R-Y/R	video	12	12	10	
	06	RGB MTRX/R-Y/B	video	13	12	12	
	07	RGB MTRX/G-Y/R	video	6	5	5	
	08	RGB MTRX/G-Y/B	video	10	5	5	
	09	RGB MTRX/VIDEO LON	video	8	8		
	10	RGB MTRX/VIDEO COL	video	8	11		
	11	RGB MTRX/YUV CON	video			8	
	12	RGB MTRX/YUV COL	video			15	
	13	RGB MTRX/SUB SHP	video	3	1	1	
	14	RGB MTRX/SHP FO	video	2	1	1	
	15	RGB MTRX/PRE OVER	video	0	1	2	
	16	RGB MTRX/NR LVL	video	0	0	0	
	17	RGB MTRX/DMIC PIC	set				
	18	RGB MTRX/CEC LVL	video	3	3	2	
D.COM	19	D.COM/VENH	set	4			
C.DEC	20	C.DEC/Y DELAY	video	0	0		
	21	GK/ENB	set	1			
	22	GK/PKG	video	36	36		
	23	GK/SP	video	63	63		
	24	GK/CR	video	16	16		
A.P.							
P.DRV	01	P.DRV/G VCOM	set	92			
	02	P.DRV/R VCOM	set	75			
	03	P.DRV/B VCOM	set	90			
	04	P.DRV/SIG SEN	set	168			
RGB AMP	05	RGB AMP/SID LVL	set	164			
	06	RGB AMP/OSD LVL	set	85			
	07	RGB AMP/PRG LVL	set	34			
UF	08	UF/RL1	wb	50	50	50	50
	09	UF/RL2	wb	50	50	50	50
	10	UF/RL3	wb	50	50	50	50
	11	UF/BL1	wb	50	50	50	50
	12	UF/BL2	wb	50	50	50	50
	13	UF/BL3	wb	50	50	50	50
	14	UF/RP1	wb	169	169	169	169
	15	UF/RP2	wb	140	140	140	140
	16	UF/BP1	wb	169	169	169	169
	17	UF/BP2	wb	140	140	140	140

Device Name	No.	OSD Display	Memory Category				
			wb	RGB High	RGB Low	Video High	Video Low
			vid	525	625	YUV	—
			gm	Graphic	Text	—	—
GAMMA	01	GAMMA/BLK LIM	gamma	115	115		
	02	GAMMA/OSD DOT	set	150			
	03	GAMMA/G-SBRT	gamma	165	175		
	04	GAMMA/R-SBRT	gamma	175	185		
	05	GAMMA/B-SBRT	gamma	157	167		
	06	GAMMA/G GAIN	gamma	115	54		
	07	GAMMA/R GAIN	gamma	97	49		
	08	GAMMA/B GAIN	gamma	113	56		
	09	GAMMA/G B2P	gamma	245	215		
	10	GAMMA/G B1P	gamma	186	186		
	11	GAMMA/G WHP	gamma	75	37		
	12	GAMMA/R B2P	gamma	215	215		
	13	GAMMA/R B1P	gamma	190	190		
	14	GAMMA/R WHP	gamma	75	37		
	15	GAMMA/B B2P	gamma	220	220		
	16	GAMMA/B B1P	gamma	183	183		
	17	GAMMA/B WHP	gamma	75	37		
	18	GAMMA/GAMMA OFF	set	0			
TG	01	TG/SLFR	set	0			
	02	TG/GAMMA SH2	gamma	76	76		
	03	TG/GAMMA SH1	gamma	5	5		
SC	04	SC/VIDEO DIV	set	0			
	05	SC/ISHOGA	set	0			
	06	SC/IVEND MAX	status				
	07	SC/SYNCHRO Fv	status				
	08	SC/VINIT H	resolution				
	09	SC/VINIT L	resolution				
	10	SC/SLUTEN	resolution				
	11	SC/SLUT0	resolution				
	12	SC/SLUT1	resolution				
	13	SC/SLUT2	resolution				
	14	SC/SLUT3	resolution				
	15	SC/SLUT4	resolution				
	16	SC/SLUT5	resolution				
	17	SC/SLUT6	resolution				
	18	SC/SLUT7	resolution				
	19	/INSTALLATION	set	0			
	20	/TEMP LAMP	set	713			
	21	/TEMP PANEL	set	490			
	22	/BITRATE	set	0			

Section 4
Semiconductors

74VHC123AMTCX
74VHC221AMTCX
CXA1875AM-T4
MM1231XFBE
TC74VHC123AFT
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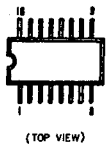

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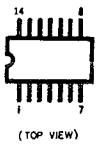

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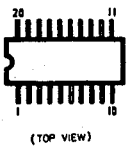

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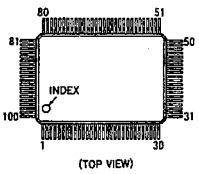

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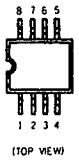

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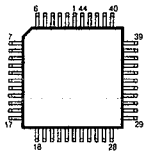

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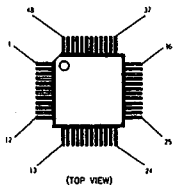

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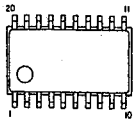

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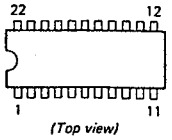

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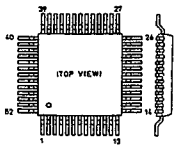

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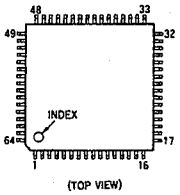

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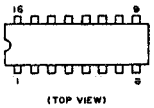

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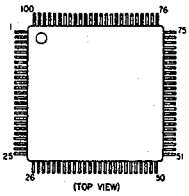

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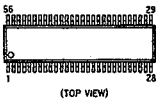

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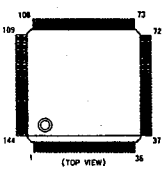

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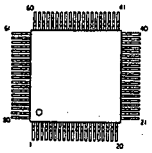

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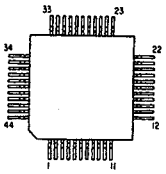

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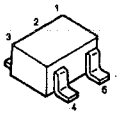

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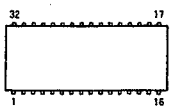

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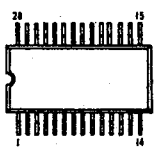

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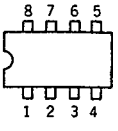

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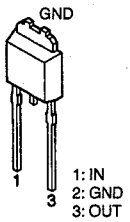

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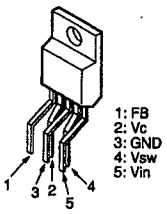

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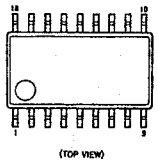

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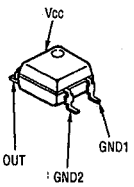

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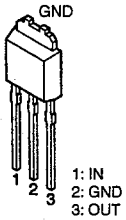

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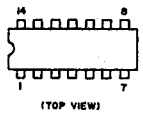

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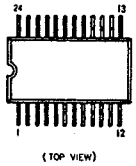

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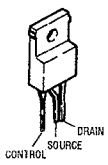

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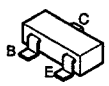

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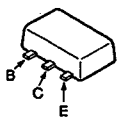

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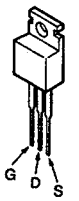

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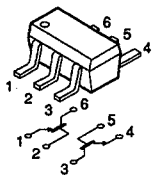

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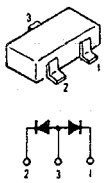

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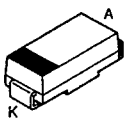

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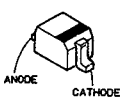

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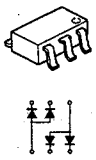

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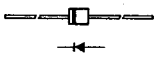

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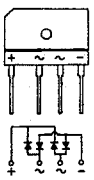

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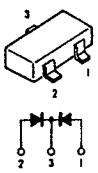

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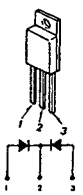

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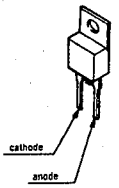

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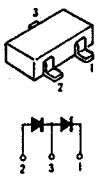

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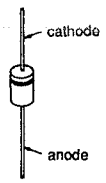

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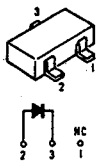

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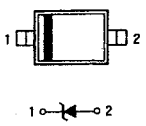

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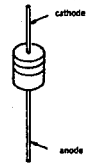

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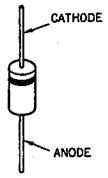

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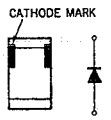
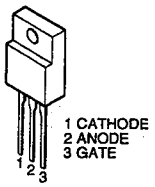


TF861S



Section 5
Exploded Views

NOTE :

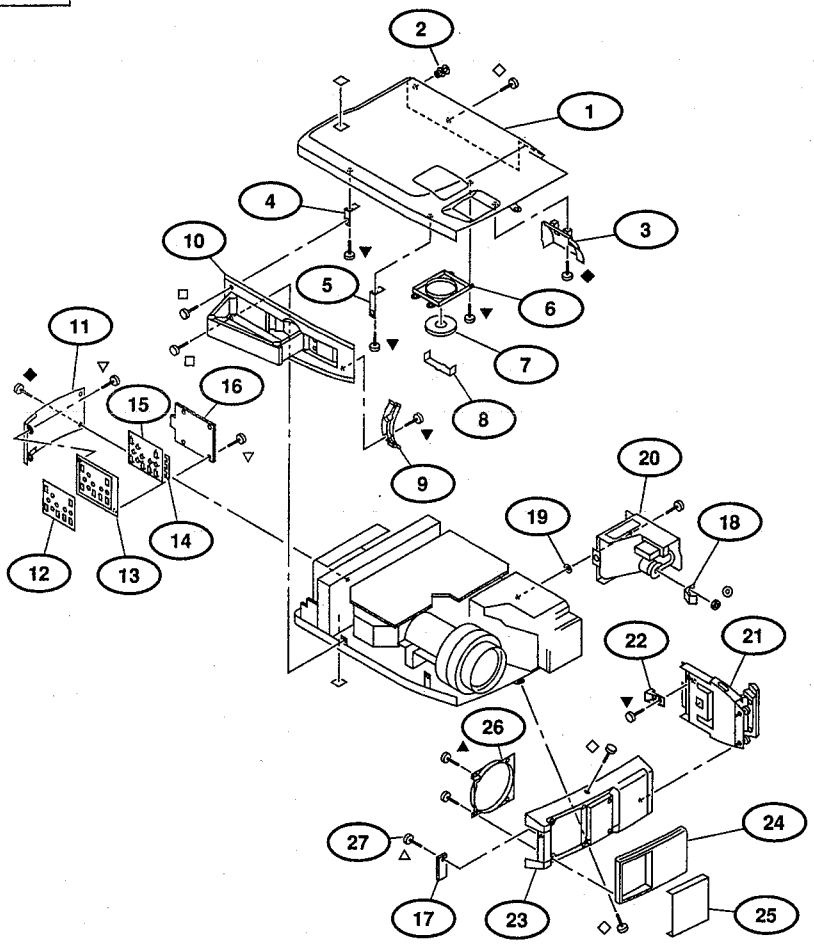
The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Items with no part number and no description are not stocked because they are seldom required for routine service.
- The construction parts of an assembled part are indicated with a collation number in the remarks column.

5-1. Cover

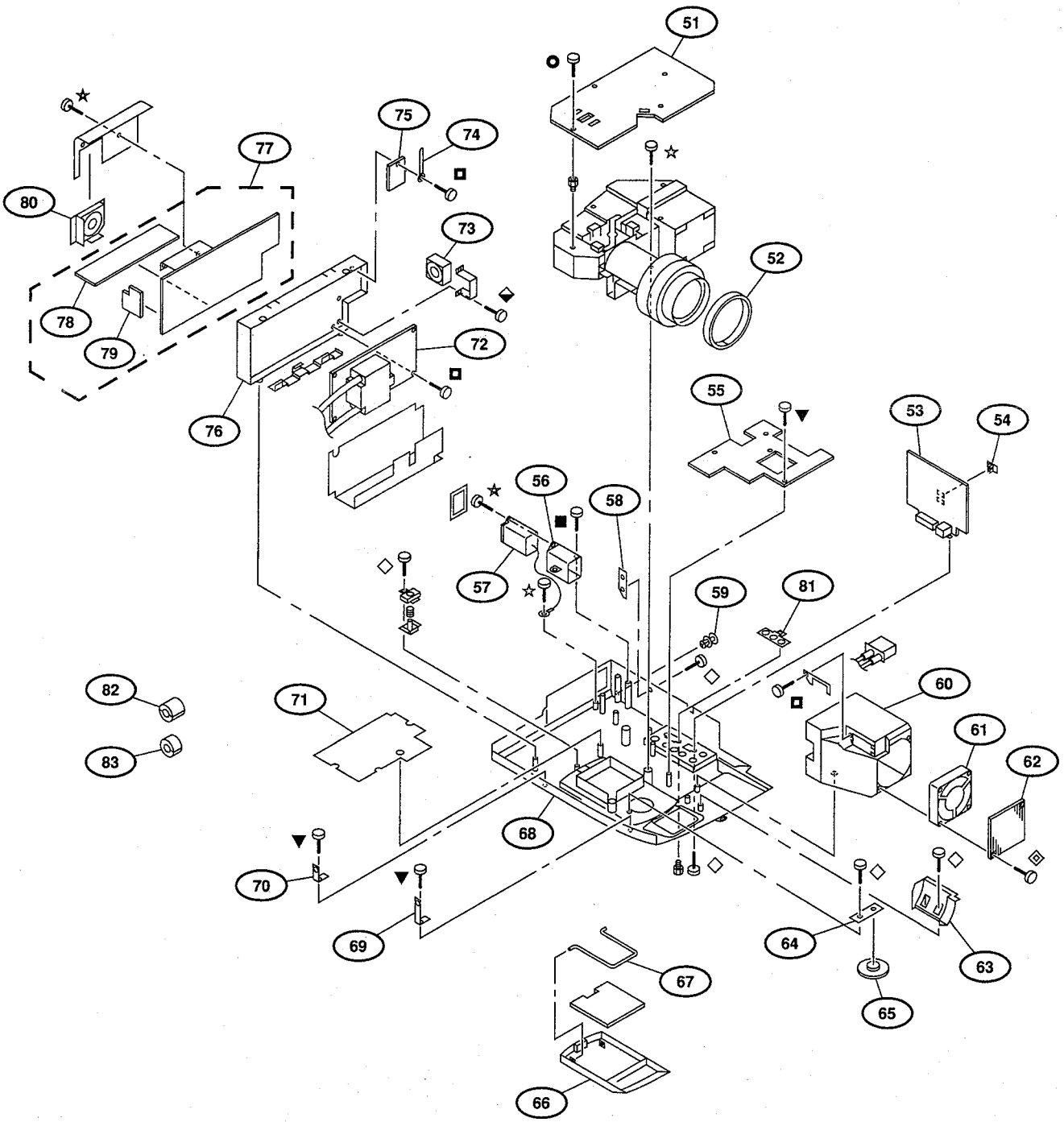
▼: 7-621-284-20 +P2.6x6
▽: 7-621-775-10 +P2.6x4
□: 7-682-548-09 +B3x8
▲: 7-685-134-19 +P2.6x8
◎: 7-684-024-04 +N4
◆: 7-682-546-09 +B3x5
◇: 7-682-546-04 +B3x5
△: 7-621-773-86 +B2.6x4



REF NO.	PART NO.	DESCRIPTION	REMARK
1	* 4-072-073-01	COVER (R)	
2	4-374-303-02	RIVET(U), NYLON	
3	* 4-072-066-01	GUARD (R), UNDER	
4	* 4-072-037-01	BRACKET (CVR)	
5	* 4-072-038-01	BRACKET (CVF)	
6	* 4-072-060-01	HOLDER (R), SPEAKER	
7	1-529-479-11	SPEAKER (3.6CM)	
8	* 4-072-044-01	HOLDER (R), SP	
9	* 4-072-063-01	GUARD (TOP)	
10	* 4-072-355-01	HANDLE	
11	* X-4037-028-1	PANEL ASSY, REAR"	
12	* 4-072-057-01	SHEET, CONTROL PANEL	
13	* 4-072-077-01	PANEL, CONTROL	
14	* 4-072-074-01	GUIDE, LED	
15	* 4-072-067-01	BUTTON (PX)	
16	* A-1375-189-A	H COMPL	
17	* A-1390-948-A	NF MOUNT	
18	* 4-065-573-01	GUARD (LMP), LIGHTING	
19	4-033-712-01	WASHER	
20	4-072-349-01	SCREW (M4)	
21	* X-4037-144-1	ADJUSTER ASSY	
22	* 4-072-350-01	COVER, SWITCH	
23	* X-4037-029-1	COVER (FR) ASSY	
24	X-4037-027-1	PANEL ASSY, FRONT	
25	4-072-056-01	COVER, LENS	
26	* 4-072-064-01	GUARD, FRONT	
27	4-072-534-01	SCREW (2.6), +P	

5-2. Chassis

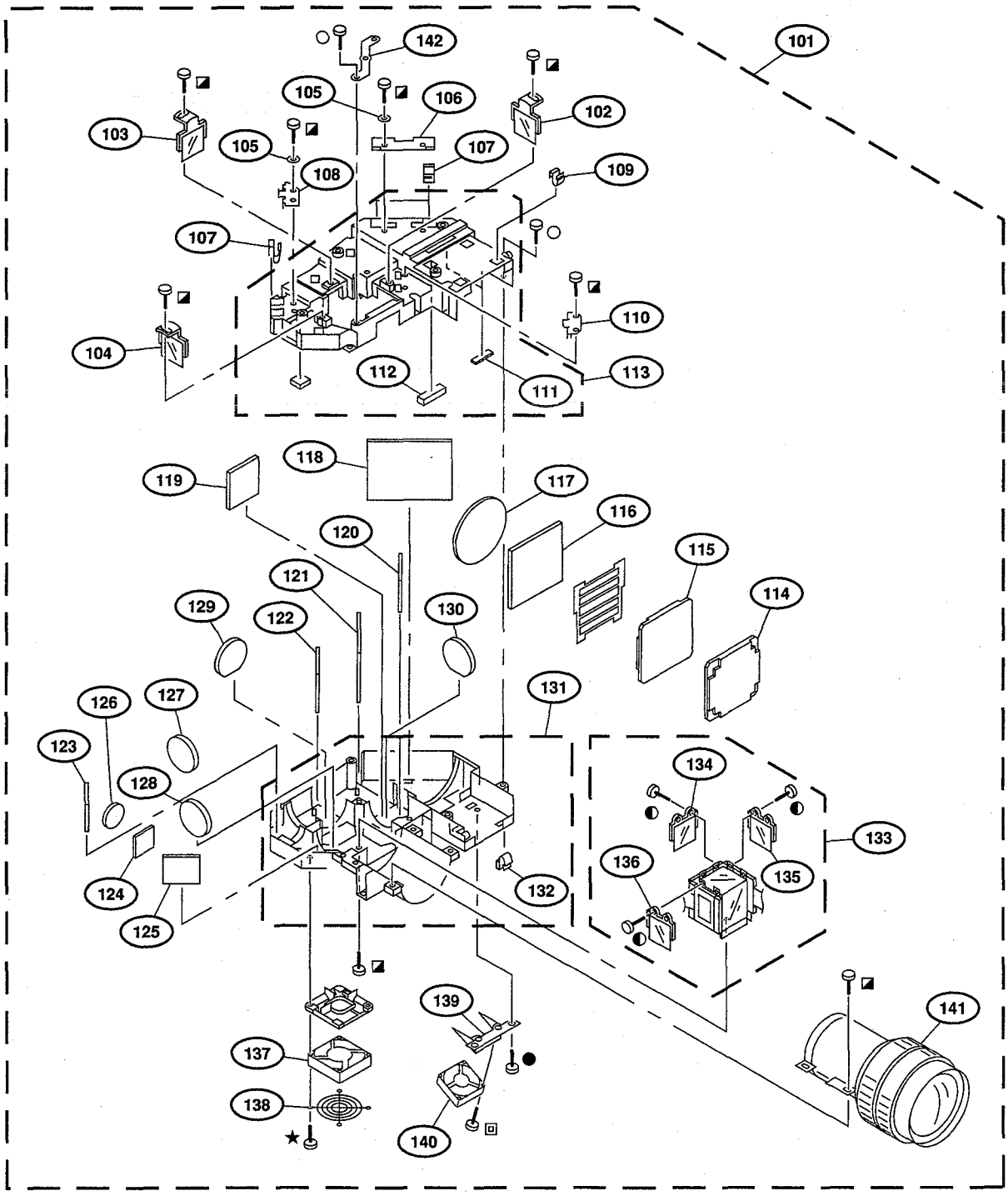
☆ : 7-682-961-01 +PSW4x8
☆ : 7-682-247-09 +K3x6
■ : 7-682-147-09 +P3x6
▼ : 7-621-284-20 +P2.6x6
◇ : 7-682-546-04 +B3x5
◈ : 7-685-152-19 +P3x25
◘ : 7-685-645-79 +P3x6
● : 7-682-544-04 +P3x3
◆ : 7-685-146-29 +P3x8



REF NO.		PART NO.	DESCRIPTION	REMARK
51		* A-1335-119-A	C COMPL	
52		4-072-050-01	RING, LENS	
53		* A-1275-176-A	QB COMPL	
54		4-072-040-01	COVER, TERMINAL	
55		* A-1275-175-A	QA COMPL	
56		* 4-072-061-01	HOLDER, AC INLET	
57	⚠	1-251-382-22	INLET, AC 3P(WITH NOISE FILTE)	
58		* 4-066-193-01	BRACKET (BT)	
59		4-374-303-02	RIVET(U), NYLON	
60		4-072-078-01	HOUSING, LAMP	
61		1-763-172-11	FAN, DC	
62		4-072-062-01	FIN (FR)	
63		* 4-072-065-01	GUARD (L), UNDER	
64		* 4-072-039-01	HOLDER (L), SP	
65		1-529-479-11	SPEAKER (3.6CM)	
66		* X-4037-030-2	COVER ASSY, FILTER	
67		* 4-072-042-01	SPRING, FILTER HOLDER	
68		* 4-072-069-01	COVER (L)	
69		* 4-072-038-01	BRACKET (CVF)	
70		* 4-072-037-01	BRACKET (CVR)	
71		* 4-072-851-01	SHEET (PX1), HEAT	
72		A-1501-597-A	LAMP POWER SUPPLY ASSY	
73		1-763-101-41	FAN, DC	
74		3-701-822-01	HOLDER, WIRE	
75	*	A-1316-469-A	GBA COMPL	
76	*	4-072-072-01	BRACKET (PW)	
77	*	A-1316-468-A	GA COMPL	78, 79
78	*	A-1311-786-A	GB MOUNT	
79	*	A-1311-787-A	GAA MOUNT	
80		X-4036-505-1	BRACKET ASSY, FAN	
81		4-072-047-01	PLATE (V)	
82		1-500-082-11	CLAMP, SLEEVE FERRITE	
83		1-500-278-11	FILTER, CLAMP (FERRITE CORE)	

5-3. Optics

★ : 7-682-955-09 +PSW3x30
◪ : 7-682-948-01 +PSW3x8
○ : 7-682-547-04 +B3x6
● : 7-685-146-11 +P3x8
⊡ : 7-685-196-21 +P3x18
◐ : 7-682-452-27 +K2x4



REF NO.	PART NO.	DESCRIPTION	REMARK
101	A-1501-551-A	OPTICS BLOCK ASSY	102-142
102	A-1501-600-A	POLARIZER, B-CH-IN ASSY (OPT)	
103	A-1501-598-A	POLARIZER, G-CH-IN ASSY (OPT)	
104	A-1501-556-A	POLARIZER, R-CH-IN ASSY (OPT)	
105	4-066-174-01	STOPPER (OPT), ROTATION	
106	4-066-237-01	ADJUSTTER, MIRROR (OPT)	
107	4-066-173-01	FASTENER (OPT), ADJUST MIRROR	
108	4-066-242-01	ADJUSTER, R MIRROR (OPT)	
109	4-066-172-01	FASTENER (OPT), MIRROR	
110	4-066-243-01	ADJUSTER, B MIRROR (OPT)	
111	* 4-066-239-01	STOPPER, FLY EYE (OPT)	
112	4-067-127-01	STOPPER, P/S (OPT)	
113	* X-4037-032-1	COVER (OPT) ASSY, UNIT	111,112
114	4-072-052-01	LENS, FLYEYE-1 (OPT)	
115	4-072-053-01	LENS, FLYEYE-2 (OPT)	
116	4-072-054-01	CONVERTER, P/S (OPT)	
117	4-072-018-01	LENS (OPT), MAIN CONDENSER	
118	4-072-024-01	MIRROR (OPT), WIDE BAND	
119	4-072-031-01	FILTER (OPT), UV CUT	
120	4-072-025-01	MIRROR (OPT), B CHANNEL	
121	4-072-028-01	DICHROIC MIRROR,B-REFRECT(OPT)	
122	4-072-029-01	DICHROIC MIRROR,G-REFRECT(OPT)	
123	4-072-026-01	MIRROR (OPT), R CHANNEL-1	
124	4-072-030-01	TRIMMER (OPT), R CHANNEL	
125	4-072-027-01	MIRROR (OPT), R-CHANNEL-2	
126	4-072-020-01	LENS (OPT), RELAY-2	
127	4-072-019-01	LENS (OPT), RELAY-1	
128	4-072-021-01	LENS (OPT), RCH CONDENSER	
129	4-072-022-01	LENS (OPT), GCH CONDENSER	
130	4-072-023-01	LENS (OPT), BCH CONDENSER	
131	* X-4037-031-1	HOUSING (OPT) ASSY, UNIT	132
132	4-066-172-01	FASTENER (OPT), MIRROR	
133	A-1501-553-A	PRISM BLOCK ASSY	134-136
134	A-1501-599-A	POLARIZER, G-CH-OUT ASSY (OPT)	
135	A-1501-601-A	POLARIZER, B-CH-OUT ASSY (OPT)	
136	A-1501-557-A	POLARIZER, R-CH-OUT ASSY (OPT)	
137	1-763-172-11	FAN, DC	
138	4-067-472-01	GUARD, FINGER	
139	4-072-084-01	BRACKET (OPT), P/S FAN	
140	1-763-101-11	FAN, DC	
141	A-1501-552-A	LENS (OPT), PROJECTION ASSY	
142	* 4-072-085-01	COVER (OPT), PRISM	

C

Section 6
Electrical Parts List

NOTE :

The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

- Items marked " * " are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.

RESISTORS
- All resistors are in ohms.
- F: nonflammable
- METAL: Metal-film resistor
- METAL OXIDE: Metal oxide-film resistor

Ref.No.	Part No.	Description			Remark
	* A-1335-119-A	C COMPL			
		**********			
	<CAPACITOR>				
C5004	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5005	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5006	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5007	1-115-156-11	CERAMIC CHIP	1MF		10V
C5008	1-119-667-11	CERAMIC CHIP	22MF		10V
C5009	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5010	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5011	1-126-395-11	ELECT CHIP	22MF	20%	16V
C5012	1-126-395-11	ELECT CHIP	22MF	20%	16V
C5013	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5014	1-107-417-11	ELECT CHIP	33MF	20%	25V
C5015	1-126-205-11	ELECT CHIP	47MF	20%	6.3V
C5016	1-126-205-11	ELECT CHIP	47MF	20%	6.3V
C5017	1-115-156-11	CERAMIC CHIP	1MF		10V
C5019	1-119-667-11	CERAMIC CHIP	22MF		10V
C5020	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5023	1-115-156-11	CERAMIC CHIP	1MF		10V
C5024	1-115-156-11	CERAMIC CHIP	1MF		10V
C5025	1-119-667-11	CERAMIC CHIP	22MF		10V
C5026	1-115-156-11	CERAMIC CHIP	1MF		10V
C5027	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5028	1-115-156-11	CERAMIC CHIP	1MF		10V
C5029	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C5030	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5031	1-115-156-11	CERAMIC CHIP	1MF		10V
C5032	1-115-156-11	CERAMIC CHIP	1MF		10V
C5033	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C5034	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C5035	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5037	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5038	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5039	1-115-156-11	CERAMIC CHIP	1MF		10V
C5040	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5041	1-115-156-11	CERAMIC CHIP	1MF		10V
C5042	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5201	1-115-156-11	CERAMIC CHIP	1MF		10V
C5203	1-115-156-11	CERAMIC CHIP	1MF		10V
C5204	1-115-156-11	CERAMIC CHIP	1MF		10V
C5205	1-115-156-11	CERAMIC CHIP	1MF		10V
C5206	1-115-156-11	CERAMIC CHIP	1MF		10V
C5207	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C5209	1-115-156-11	CERAMIC CHIP	1MF		10V
C5210	1-115-156-11	CERAMIC CHIP	1MF		10V
C5213	1-115-156-11	CERAMIC CHIP	1MF		10V
C5218	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5219	1-115-156-11	CERAMIC CHIP	1MF		10V
C5220	1-115-156-11	CERAMIC CHIP	1MF		10V
C5221	1-115-156-11	CERAMIC CHIP	1MF		10V
C5223	1-115-156-11	CERAMIC CHIP	1MF		10V
C5224	1-115-156-11	CERAMIC CHIP	1MF		10V
C5225	1-115-156-11	CERAMIC CHIP	1MF		10V
C5226	1-115-156-11	CERAMIC CHIP	1MF		10V
C5227	1-115-156-11	CERAMIC CHIP	1MF		10V
C5228	1-115-156-11	CERAMIC CHIP	1MF		10V
C5229	1-115-156-11	CERAMIC CHIP	1MF		10V
C5230	1-115-156-11	CERAMIC CHIP	1MF		10V
C5231	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C5232	1-115-156-11	CERAMIC CHIP	1MF		10V
C5233	1-115-156-11	CERAMIC CHIP	1MF		10V
C5235	1-162-915-11	CERAMIC CHIP	10PF	0.5PF	50V
C5301	1-115-156-11	CERAMIC CHIP	1MF		10V
C5303	1-115-156-11	CERAMIC CHIP	1MF		10V
C5304	1-115-156-11	CERAMIC CHIP	1MF		10V
C5305	1-115-156-11	CERAMIC CHIP	1MF		10V
C5306	1-115-156-11	CERAMIC CHIP	1MF		10V
C5307	1-115-156-11	CERAMIC CHIP	1MF		10V
C5308	1-115-156-11	CERAMIC CHIP	1MF		10V
C5309	1-115-156-11	CERAMIC CHIP	1MF		10V
C5311	1-115-156-11	CERAMIC CHIP	1MF		10V
C5312	1-115-156-11	CERAMIC CHIP	1MF		10V
C5314	1-115-156-11	CERAMIC CHIP	1MF		10V
C5315	1-115-156-11	CERAMIC CHIP	1MF		10V
C5316	1-115-156-11	CERAMIC CHIP	1MF		10V
C5317	1-115-156-11	CERAMIC CHIP	1MF		10V
C5319	1-115-156-11	CERAMIC CHIP	1MF		10V
C5401	1-115-156-11	CERAMIC CHIP	1MF		10V
C5402	1-115-156-11	CERAMIC CHIP	1MF		10V
C5403	1-115-156-11	CERAMIC CHIP	1MF		10V
C5404	1-115-156-11	CERAMIC CHIP	1MF		10V
C5405	1-115-156-11	CERAMIC CHIP	1MF		10V
C5406	1-115-156-11	CERAMIC CHIP	1MF		10V
C5407	1-115-156-11	CERAMIC CHIP	1MF		10V
C5408	1-115-156-11	CERAMIC CHIP	1MF		10V
C5409	1-115-156-11	CERAMIC CHIP	1MF		10V
C5411	1-115-156-11	CERAMIC CHIP	1MF		10V

C

Ref.No.	Part No.	Description			Remark
C5412	1-115-156-11	CERAMIC CHIP	1MF		10V
C5413	1-115-156-11	CERAMIC CHIP	1MF		10V
C5414	1-115-156-11	CERAMIC CHIP	1MF		10V
C5415	1-115-156-11	CERAMIC CHIP	1MF		10V
C5416	1-115-156-11	CERAMIC CHIP	1MF		10V
C5417	1-115-156-11	CERAMIC CHIP	1MF		10V
C5501	1-115-156-11	CERAMIC CHIP	1MF		10V
C5502	1-115-156-11	CERAMIC CHIP	1MF		10V
C5503	1-115-156-11	CERAMIC CHIP	1MF		10V
C5504	1-115-156-11	CERAMIC CHIP	1MF		10V
C5505	1-115-156-11	CERAMIC CHIP	1MF		10V
C5506	1-115-156-11	CERAMIC CHIP	1MF		10V
C5507	1-115-156-11	CERAMIC CHIP	1MF		10V
C5508	1-115-156-11	CERAMIC CHIP	1MF		10V
C5509	1-115-156-11	CERAMIC CHIP	1MF		10V
C5511	1-115-156-11	CERAMIC CHIP	1MF		10V
C5512	1-115-156-11	CERAMIC CHIP	1MF		10V
C5513	1-115-156-11	CERAMIC CHIP	1MF		10V
C5514	1-115-156-11	CERAMIC CHIP	1MF		10V
C5516	1-115-156-11	CERAMIC CHIP	1MF		10V
C5517	1-115-156-11	CERAMIC CHIP	1MF		10V
C5518	1-115-156-11	CERAMIC CHIP	1MF		10V
C5601	1-115-156-11	CERAMIC CHIP	1MF		10V
C5602	1-115-156-11	CERAMIC CHIP	1MF		10V
C5603	1-115-156-11	CERAMIC CHIP	1MF		10V
C5604	1-115-156-11	CERAMIC CHIP	1MF		10V
C5605	1-115-156-11	CERAMIC CHIP	1MF		10V
C5606	1-115-156-11	CERAMIC CHIP	1MF		10V
C5607	1-115-156-11	CERAMIC CHIP	1MF		10V
C5608	1-115-156-11	CERAMIC CHIP	1MF		10V
C5609	1-115-156-11	CERAMIC CHIP	1MF		10V
C5610	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C5611	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C5612	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C5614	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5619	1-126-205-11	ELECT CHIP	47MF	20%	6.3V
C5620	1-115-156-11	CERAMIC CHIP	1MF		10V
C5621	1-115-156-11	CERAMIC CHIP	1MF		10V
C5625	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5630	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C5634	1-119-667-11	CERAMIC CHIP	22MF		10V
C5636	1-115-156-11	CERAMIC CHIP	1MF		10V
C5637	1-115-156-11	CERAMIC CHIP	1MF		10V
C5639	1-115-156-11	CERAMIC CHIP	1MF		10V
C5640	1-115-156-11	CERAMIC CHIP	1MF		10V
C5641	1-115-156-11	CERAMIC CHIP	1MF		10V
C5643	1-119-667-11	CERAMIC CHIP	22MF		10V
C5644	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C5645	1-162-923-11	CERAMIC CHIP	47PF	5%	50V
C5646	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V
C5647	1-164-690-91	CERAMIC CHIP	0.0022MF	5%	50V
C5649	1-115-156-11	CERAMIC CHIP	1MF		10V
C5650	1-115-156-11	CERAMIC CHIP	1MF		10V
C5651	1-115-156-11	CERAMIC CHIP	1MF		10V
C5652	1-115-156-11	CERAMIC CHIP	1MF		10V
C5660	1-162-918-11	CERAMIC CHIP	18PF	5%	50V
C5662	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C5663	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C5664	1-115-156-11	CERAMIC CHIP	1MF		10V
C5665	1-115-156-11	CERAMIC CHIP	1MF		10V
C5666	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C5668	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5669	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5670	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5671	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5672	1-126-205-11	ELECT CHIP	47MF	20%	6.3V
C5673	1-126-205-11	ELECT CHIP	47MF	20%	6.3V
C5675	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5676	1-115-156-11	CERAMIC CHIP	1MF		10V
C5677	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5678	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5679	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C5680	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C5681	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C5682	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C5683	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C5684	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C5685	1-109-994-11	CERAMIC CHIP	2.2MF	10%	10V
C5686	1-109-994-11	CERAMIC CHIP	2.2MF	10%	10V
C5687	1-109-994-11	CERAMIC CHIP	2.2MF	10%	10V
C5688	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5689	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5690	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5698	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C5702	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5703	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5704	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5705	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5706	1-115-156-11	CERAMIC CHIP	1MF		10V
C5707	1-119-667-11	CERAMIC CHIP	22MF		10V
C5708	1-115-156-11	CERAMIC CHIP	1MF		10V
C5710	1-115-156-11	CERAMIC CHIP	1MF		10V
C5711	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5712	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5713	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5714	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5717	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5718	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5719	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5720	1-117-681-11	ELECT CHIP	100MF	20%	16V
C5721	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5722	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5723	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C5724	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5725	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5726	1-162-964-11	CERAMIC CHIP	0.001MF	10%	50V
C5727	1-162-964-11	CERAMIC CHIP	0.001MF	10%	50V
C5729	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C5801	1-119-667-11	CERAMIC CHIP	22MF		10V
C5802	1-115-156-11	CERAMIC CHIP	1MF		10V
C5804	1-115-156-11	CERAMIC CHIP	1MF		10V
C5805	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5806	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5807	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5808	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5811	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5812	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5813	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5814	1-117-681-11	ELECT CHIP	100MF	20%	16V
C5815	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5816	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5817	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C5818	1-119-667-11	CERAMIC CHIP	22MF		10V
C5819	1-115-156-11	CERAMIC CHIP	1MF		10V
C5821	1-115-156-11	CERAMIC CHIP	1MF		10V
C5822	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5823	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5824	1-128-400-11	ELECT CHIP	47MF	20%	25V
C5825	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5828	1-164-005-11	CERAMIC CHIP	0.47MF		25V
C5829	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5830	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C5831	1-117-681-11	ELECT CHIP	100MF	20%	16V

Ref.No.	Part No.	Description	Remark
C5832	1-164-156-11	CERAMIC CHIP 0.1MF	25V
C5833	1-164-005-11	CERAMIC CHIP 0.47MF	25V
C5834	1-164-004-11	CERAMIC CHIP 0.1MF 10%	25V
C5835	1-164-156-11	CERAMIC CHIP 0.1MF	25V
C5836	1-164-156-11	CERAMIC CHIP 0.1MF	25V
C5837	1-164-156-11	CERAMIC CHIP 0.1MF	25V
C5838	1-164-156-11	CERAMIC CHIP 0.1MF	25V
C5901	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5902	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5903	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5904	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5905	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5906	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5907	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5908	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5909	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5910	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5911	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5912	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5913	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5914	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
C5915	1-162-964-11	CERAMIC CHIP 0.001MF 10%	50V
		<CONNECTOR>	
CN5002	* 1-580-756-21	PIN, CONNECTOR (SMD) 7P	
CN5003	* 1-764-007-11	PIN, CONNECTOR (SMD) 12P	
CN5004	* 1-691-591-11	PIN, CONNECTOR (1.5MM) (SMD)8P	
CN5005	* 1-573-768-21	PIN, CONNECTOR (1.5MM) (SMD)5P	
CN5006	* 1-580-056-21	PIN, CONNECTOR (SMD) 3P	
CN5008	* 1-580-056-21	PIN, CONNECTOR (SMD) 3P	
CN5009	* 1-580-055-21	PIN, CONNECTOR (SMD) 2P	
CN5010	* 1-764-007-11	PIN, CONNECTOR (SMD) 12P	
CN5011	* 1-785-306-21	CONNECTOR, BOARD TO BOARD70P	
CN5012	* 1-785-306-21	CONNECTOR, BOARD TO BOARD70P	
CN5401	* 1-691-591-11	PIN, CONNECTOR (1.5MM) (SMD)8P	
CN5701	1-774-932-21	CONNECTOR, FFC/FPC (ZIF) 32P	
CN5801	1-774-932-21	CONNECTOR, FFC/FPC (ZIF) 32P	
CN5802	1-774-932-21	CONNECTOR, FFC/FPC (ZIF) 32P	
		<DIODE>	
D5001	8-719-976-99	DIODE DTZ5.1B	
D5002	8-719-976-99	DIODE DTZ5.1B	
D5003	8-719-977-34	DIODE DTZ12	
D5004	8-719-977-34	DIODE DTZ12	
D5005	8-719-977-11	DIODE DTZ6.8A	
D5006	8-719-988-61	DIODE 1SS355TE-17	
D5009	8-719-055-30	DIODE D1FS4A-TA	
D5011	8-719-914-44	DIODE DAP202K	
D5012	8-719-045-55	DIODE SEC1201C	
D5013	8-719-045-55	DIODE SEC1201C	
D5014	8-719-976-99	DIODE DTZ5.1B	
D5015	8-719-976-99	DIODE DTZ5.1B	
D5016	8-719-976-99	DIODE DTZ5.1B	
D5017	8-719-977-11	DIODE DTZ6.8A	
D5018	8-719-977-11	DIODE DTZ6.8A	
		<FERRITE BEAD>	
FB5001	1-414-760-21	INDUCTOR CHIP	0µH
FB5002	1-414-760-21	INDUCTOR CHIP	0µH
FB5003	1-414-760-21	INDUCTOR CHIP	0µH
FB5030	1-414-227-11	INDUCTOR CHIP	0µH
FB5031	1-414-760-21	INDUCTOR CHIP	0µH
FB5032	1-414-760-21	INDUCTOR CHIP	0µH
FB5201	1-414-760-21	INDUCTOR CHIP	0µH
FB5202	1-414-760-21	INDUCTOR CHIP	0µH
FB5204	1-414-760-21	INDUCTOR CHIP	0µH
FB5206	1-414-760-21	INDUCTOR CHIP	0µH
FB5207	1-414-760-21	INDUCTOR CHIP	0µH
FB5208	1-414-760-21	INDUCTOR CHIP	0µH
FB5210	1-414-748-11	FERRITE	0µH
FB5211	1-414-748-11	FERRITE	0µH
FB5212	1-414-760-21	INDUCTOR CHIP	0µH
FB5213	1-414-748-11	FERRITE	0µH
FB5301	1-414-760-21	INDUCTOR CHIP	0µH
FB5401	1-414-760-21	INDUCTOR CHIP	0µH
FB5501	1-414-760-21	INDUCTOR CHIP	0µH
FB5601	1-414-760-21	INDUCTOR CHIP	0µH
FB5602	1-414-760-21	INDUCTOR CHIP	0µH
FB5603	1-414-760-21	INDUCTOR CHIP	0µH
FB5604	1-414-760-21	INDUCTOR CHIP	0µH
FB5660	1-414-760-21	INDUCTOR CHIP	0µH
FB5661	1-414-760-21	INDUCTOR CHIP	0µH
FB5662	1-414-760-21	INDUCTOR CHIP	0µH
FB5701	1-414-227-11	INDUCTOR CHIP	0µH
FB5702	1-414-227-11	INDUCTOR CHIP	0µH
FB5703	1-414-227-11	INDUCTOR CHIP	0µH
FB5801	1-414-227-11	INDUCTOR CHIP	0µH
FB5802	1-414-227-11	INDUCTOR CHIP	0µH
FB5803	1-414-227-11	INDUCTOR CHIP	0µH
FB5804	1-414-227-11	INDUCTOR CHIP	0µH
FB5805	1-414-227-11	INDUCTOR CHIP	0µH
FB5806	1-414-227-11	INDUCTOR CHIP	0µH
		<FILTER>	
FL5001	1-239-899-21	FILTER, CHIP EMI	
FL5002	1-239-899-21	FILTER, CHIP EMI	
FL5003	1-239-899-21	FILTER, CHIP EMI	
FL5004	1-239-899-21	FILTER, CHIP EMI	
FL5005	1-239-899-21	FILTER, CHIP EMI	
FL5006	1-239-897-12	FILTER, EMI (SMD)	
FL5007	1-239-899-21	FILTER, CHIP EMI	
FL5601	1-234-011-11	FILTER, EMI	
FL5602	1-234-011-11	FILTER, EMI	
FL5603	1-234-011-11	FILTER, EMI	
		<IC>	
IC5001	8-759-546-88	IC LM2675M-3.3	
IC5003	8-759-439-67	IC TC7W126FU(TE12R)	
IC5004	8-759-388-31	IC PQ20VZ1U	
IC5005	8-759-388-31	IC PQ20VZ1U	
IC5006	8-759-259-77	IC PQ20VZ5U	
IC5007	8-759-523-81	IC TC74VHC08FT(EL)	
IC5008	8-759-285-52	IC PC74HC02D-T	
IC5012	8-759-162-80	IC MM1170BFB	
IC5013	8-759-471-25	IC BR24CF16F	
IC5014	8-759-239-92	IC TC74HC07AF	
IC5016	8-759-259-77	IC PQ20VZ5U	
IC5017	8-759-475-39	IC TC74LCX74FT(EL)	
IC5202	8-759-475-39	IC TC74LCX74FT(EL)	
IC5203	8-759-491-46	IC TC74VHCT04AFT(EL)	
IC5204	8-759-549-39	IC IP00C901	
IC5206	8-759-475-55	IC TC74LCX574FT(EL)	
IC5207	* 8-759-580-44	IC ISPLSI1016E-80LT44-SX1658-2	
IC5208	8-759-482-35	IC MC100ELT20DR2	
IC5209	8-759-491-46	IC TC74VHCT04AFT(EL)	
IC5210	8-759-491-46	IC TC74VHCT04AFT(EL)	
IC5211	8-759-523-84	IC TC74VHC14FT(EL)	
IC5212	8-759-475-43	IC TC74LCX125FT(EL)	
IC5213	8-759-475-35	IC TC74LCX04FT(EL)	
IC5301	8-759-546-23	IC IP00C702	
IC5401	8-759-546-23	IC IP00C702	

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Ref.No.	Part No.	Description	Remark
IC5501	8-759-546-23	IC IP00C702	
IC5601	8-759-546-24	IC HD74ALVCH162270TE	
IC5602	8-759-546-24	IC HD74ALVCH162270TE	
IC5603	8-759-369-85	IC BT121KPJ80	
IC5607	8-759-290-12	IC M62370GP-650D	
IC5608	8-752-088-08	IC CXA2111R-T6	
IC5611	8-759-066-55	IC TA75W393FU	
IC5612	8-759-066-55	IC TA75W393FU	
IC5613	8-759-523-03	IC TC74HC4066AFT(EL)	
IC5614	8-759-523-03	IC TC74HC4066AFT(EL)	
IC5660	8-759-572-46	IC MB90096PF-G-159-BND-ER	
IC5661	8-759-523-81	IC TC74VHC08FT(EL)	
IC5662	8-759-490-57	IC M52337SP	
IC5701	8-759-482-47	IC M62399FP-TE2	
IC5702	8-752-080-99	IC CXA2112R	
IC5703	8-752-080-99	IC CXA2112R	
IC5801	8-752-080-99	IC CXA2112R	
IC5802	8-752-080-99	IC CXA2112R	
IC5803	8-752-080-99	IC CXA2112R	
IC5804	8-752-080-99	IC CXA2112R	
	<COIL>		
L5002	1-416-865-21	INDUCTOR 33µH	
L5701	1-410-369-11	INDUCTOR CHIP 1µH	
L5702	1-410-369-11	INDUCTOR CHIP 1µH	
L5801	1-410-369-11	INDUCTOR CHIP 1µH	
L5802	1-410-369-11	INDUCTOR CHIP 1µH	
L5803	1-410-369-11	INDUCTOR CHIP 1µH	
L5804	1-410-369-11	INDUCTOR CHIP 1µH	
	<TRANSISTOR>		
Q5001	8-729-900-53	TRANSISTOR DTC114EK	
Q5002	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5003	8-729-101-07	TRANSISTOR 2SB798-DL	
Q5601	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5602	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5603	8-729-216-22	TRANSISTOR 2SA1162-G	
Q5604	8-729-230-49	TRANSISTOR 2SC2712-YG	
Q5701	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5702	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5703	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5704	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5705	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
Q5706	8-729-013-28	TRANSISTOR HN1B01FU-TE85R	
	<RESISTOR>		
R5001	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5002	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5005	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5006	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5007	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5008	1-216-841-11	RES,CHIP 47K 5% 1/16W	
R5009	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5010	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5011	1-216-841-11	RES,CHIP 47K 5% 1/16W	
R5012	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5014	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5015	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5016	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5017	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5018	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5019	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5020	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5021	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5022	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5023	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5024	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5025	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5026	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5027	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5028	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5029	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5030	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5031	1-216-829-11	RES,CHIP 4.7K 5% 1/16W	
R5032	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5033	1-216-829-11	RES,CHIP 4.7K 5% 1/16W	
R5034	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5035	1-216-829-11	RES,CHIP 4.7K 5% 1/16W	
R5036	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5037	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5038	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5039	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5040	1-216-682-11	METAL CHIP 20K 0.50% 1/10W	
R5041	1-216-673-11	METAL CHIP 8.2K 0.50% 1/10W	
R5042	1-216-644-11	METAL CHIP 510 0.50% 1/10W	
R5043	1-216-821-11	RES,CHIP 1K 5% 1/16W	
R5045	1-216-821-11	RES,CHIP 1K 5% 1/16W	
R5046	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5047	1-216-825-11	RES,CHIP 2.2K 5% 1/16W	
R5048	1-216-841-11	RES,CHIP 47K 5% 1/16W	
R5049	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5050	1-216-825-11	RES,CHIP 2.2K 5% 1/16W	
R5051	1-216-821-11	RES,CHIP 1K 5% 1/16W	
R5052	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5054	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5057	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5059	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5061	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5063	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5064	1-216-825-11	RES,CHIP 2.2K 5% 1/16W	
R5069	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5072	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5074	1-218-702-11	METAL CHIP 2.7K 0.50% 1/16W	
R5075	1-218-692-11	METAL CHIP 1K 0.50% 1/16W	
R5076	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5077	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5079	1-216-821-11	RES,CHIP 1K 5% 1/16W	
R5081	1-216-821-11	RES,CHIP 1K 5% 1/16W	
R5082	1-216-821-11	RES,CHIP 1K 5% 1/16W	
R5083	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5084	1-216-809-11	RES,CHIP 100 5% 1/16W	
R5085	1-216-815-11	RES,CHIP 330 5% 1/16W	
R5086	1-216-815-11	RES,CHIP 330 5% 1/16W	
R5087	1-216-815-11	RES,CHIP 330 5% 1/16W	
R5088	1-216-815-11	RES,CHIP 330 5% 1/16W	
R5089	1-216-815-11	RES,CHIP 330 5% 1/16W	
R5090	1-216-821-11	RES,CHIP 1K 5% 1/16W	
R5091	1-216-864-11	SHORT 0	
R5093	1-216-864-11	SHORT 0	
R5095	1-216-663-11	METAL CHIP 3.3K 0.50% 1/10W	
R5096	1-216-663-11	METAL CHIP 3.3K 0.50% 1/10W	
R5097	1-216-685-11	METAL CHIP 27K 0.50% 1/10W	
R5098	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R5099	1-216-685-11	METAL CHIP 27K 0.50% 1/10W	
R5100	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R5101	1-216-833-91	RES,CHIP 10K 5% 1/16W	
R5102	1-216-829-11	RES,CHIP 4.7K 5% 1/16W	
R5103	1-216-676-11	METAL CHIP 11K 0.50% 1/10W	
R5104	1-216-688-11	METAL CHIP 36K 0.50% 1/10W	
R5105	1-216-651-11	METAL CHIP 1K 0.50% 1/10W	
R5106	1-216-818-11	RES,CHIP 560 5% 1/16W	

Ref.No.	Part No.	Description			Remark
R5107	1-216-818-11	RES,CHIP	560	5%	1/16W
R5109	1-216-864-11	SHORT	0		
R5111	1-216-801-11	RES,CHIP	22	5%	1/16W
R5201	1-216-805-11	RES,CHIP	47	5%	1/16W
R5202	1-216-803-11	RES,CHIP	33	5%	1/16W
R5203	1-216-809-11	RES,CHIP	100	5%	1/16W
R5204	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5205	1-216-801-11	RES,CHIP	22	5%	1/16W
R5207	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5208	1-216-864-11	SHORT	0		
R5218	1-216-805-11	RES,CHIP	47	5%	1/16W
R5226	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5229	1-216-805-11	RES,CHIP	47	5%	1/16W
R5239	1-216-808-11	RES,CHIP	82	5%	1/16W
R5240	1-216-809-11	RES,CHIP	100	5%	1/16W
R5243	1-216-805-11	RES,CHIP	47	5%	1/16W
R5244	1-216-805-11	RES,CHIP	47	5%	1/16W
R5245	1-216-805-11	RES,CHIP	47	5%	1/16W
R5247	1-216-809-11	RES,CHIP	100	5%	1/16W
R5248	1-216-805-11	RES,CHIP	47	5%	1/16W
R5249	1-216-809-11	RES,CHIP	100	5%	1/16W
R5250	1-216-809-11	RES,CHIP	100	5%	1/16W
R5251	1-216-809-11	RES,CHIP	100	5%	1/16W
R5252	1-216-809-11	RES,CHIP	100	5%	1/16W
R5253	1-216-809-11	RES,CHIP	100	5%	1/16W
R5254	1-216-809-11	RES,CHIP	100	5%	1/16W
R5255	1-216-809-11	RES,CHIP	100	5%	1/16W
R5256	1-216-809-11	RES,CHIP	100	5%	1/16W
R5257	1-216-809-11	RES,CHIP	100	5%	1/16W
R5258	1-216-805-11	RES,CHIP	47	5%	1/16W
R5259	1-216-805-11	RES,CHIP	47	5%	1/16W
R5260	1-216-805-11	RES,CHIP	47	5%	1/16W
R5261	1-216-815-11	RES,CHIP	330	5%	1/16W
R5262	1-216-815-11	RES,CHIP	330	5%	1/16W
R5263	1-216-801-11	RES,CHIP	22	5%	1/16W
R5264	1-216-805-11	RES,CHIP	47	5%	1/16W
R5265	1-216-801-11	RES,CHIP	22	5%	1/16W
R5266	1-216-801-11	RES,CHIP	22	5%	1/16W
R5267	1-216-805-11	RES,CHIP	47	5%	1/16W
R5268	1-216-805-11	RES,CHIP	47	5%	1/16W
R5269	1-216-805-11	RES,CHIP	47	5%	1/16W
R5270	1-216-805-11	RES,CHIP	47	5%	1/16W
R5271	1-216-805-11	RES,CHIP	47	5%	1/16W
R5272	1-216-805-11	RES,CHIP	47	5%	1/16W
R5279	1-216-864-11	SHORT	0		
R5280	1-216-864-11	SHORT	0		
R5282	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5283	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5284	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5285	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5286	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5287	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5288	1-216-805-11	RES,CHIP	47	5%	1/16W
R5289	1-216-805-11	RES,CHIP	47	5%	1/16W
R5290	1-216-864-11	SHORT	0		
R5292	1-216-805-11	RES,CHIP	47	5%	1/16W
R5304	1-216-809-11	RES,CHIP	100	5%	1/16W
R5305	1-216-821-11	RES,CHIP	1K	5%	1/16W
R5308	1-216-864-11	SHORT	0		
R5601	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5602	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5603	1-216-805-11	RES,CHIP	47	5%	1/16W
R5604	1-216-864-11	SHORT	0		
R5606	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5608	1-218-648-11	METAL CHIP	15	0.50%	1/16W
R5609	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R5610	1-216-631-11	METAL CHIP	150	0.50%	1/10W

Ref.No.	Part No.	Description			Remark
R5611	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R5612	1-216-631-11	METAL CHIP	150	0.50%	1/10W
R5613	1-216-801-11	RES,CHIP	22	5%	1/16W
R5614	1-216-801-11	RES,CHIP	22	5%	1/16W
R5615	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5616	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5617	1-216-684-91	METAL CHIP	24K	0.50%	1/10W
R5618	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R5619	1-216-839-11	RES,CHIP	33K	5%	1/16W
R5620	1-216-664-11	METAL CHIP	3.6K	0.50%	1/10W
R5621	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5622	1-216-805-11	RES,CHIP	47	5%	1/16W
R5624	1-216-805-11	RES,CHIP	47	5%	1/16W
R5625	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5626	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5627	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5628	1-216-841-11	RES,CHIP	47K	5%	1/16W
R5629	1-216-822-11	RES,CHIP	1.2K	5%	1/16W
R5631	1-218-457-11	RES,CHIP	910	5%	1/16W
R5632	1-218-457-11	RES,CHIP	910	5%	1/16W
R5633	1-218-457-11	RES,CHIP	910	5%	1/16W
R5634	1-216-805-11	RES,CHIP	47	5%	1/16W
R5636	1-216-801-11	RES,CHIP	22	5%	1/16W
R5637	1-216-801-11	RES,CHIP	22	5%	1/16W
R5638	1-216-864-11	SHORT	0		
R5641	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5647	1-216-809-11	RES,CHIP	100	5%	1/16W
R5648	1-216-809-11	RES,CHIP	100	5%	1/16W
R5649	1-216-809-11	RES,CHIP	100	5%	1/16W
R5652	1-216-805-11	RES,CHIP	47	5%	1/16W
R5653	1-216-805-11	RES,CHIP	47	5%	1/16W
R5654	1-216-805-11	RES,CHIP	47	5%	1/16W
R5655	1-216-805-11	RES,CHIP	47	5%	1/16W
R5656	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R5657	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R5658	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R5659	1-216-805-11	RES,CHIP	47	5%	1/16W
R5660	1-216-817-11	RES,CHIP	470	5%	1/16W
R5661	1-216-809-11	RES,CHIP	100	5%	1/16W
R5663	1-216-805-11	RES,CHIP	47	5%	1/16W
R5664	1-216-805-11	RES,CHIP	47	5%	1/16W
R5665	1-216-801-11	RES,CHIP	22	5%	1/16W
R5666	1-216-809-11	RES,CHIP	100	5%	1/16W
R5667	1-216-809-11	RES,CHIP	100	5%	1/16W
R5669	1-216-809-11	RES,CHIP	100	5%	1/16W
R5671	1-216-809-11	RES,CHIP	100	5%	1/16W
R5680	1-216-864-11	SHORT	0		
R5681	1-216-045-00	RES,CHIP	680	5%	1/10W
R5682	1-216-045-00	RES,CHIP	680	5%	1/10W
R5683	1-216-045-00	RES,CHIP	680	5%	1/10W
R5684	1-216-864-11	SHORT	0		
R5685	1-216-801-11	RES,CHIP	22	5%	1/16W
R5686	1-216-801-11	RES,CHIP	22	5%	1/16W
R5693	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5694	1-218-271-11	RES,CHIP	2K	5%	1/16W
R5695	1-216-809-11	RES,CHIP	100	5%	1/16W
R5696	1-216-809-11	RES,CHIP	100	5%	1/16W
R5697	1-216-809-11	RES,CHIP	100	5%	1/16W
R5698	1-216-830-11	RES,CHIP	5.6K	5%	1/16W
R5699	1-216-805-11	RES,CHIP	47	5%	1/16W
R5700	1-216-805-11	RES,CHIP	47	5%	1/16W
R5701	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R5703	1-216-809-11	RES,CHIP	100	5%	1/16W
R5704	1-216-809-11	RES,CHIP	100	5%	1/16W
R5705	1-216-809-11	RES,CHIP	100	5%	1/16W
R5706	1-216-821-11	RES,CHIP	1K	5%	1/16W

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Ref.No.	Part No.	Description			Remark
R5707	1-216-809-11	RES,CHIP	100	5%	1/16W
R5708	1-216-809-11	RES,CHIP	100	5%	1/16W
R5709	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5710	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5711	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5712	1-216-864-11	SHORT	0		
R5713	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5714	1-216-864-11	SHORT	0		
R5715	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5716	1-216-864-11	SHORT	0		
R5717	1-216-825-11	RES,CHIP	2.2K	5%	1/16W
R5718	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5719	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5720	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5721	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5722	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5723	1-216-789-11	RES,CHIP	2.2	5%	1/16W
R5724	1-216-864-11	SHORT	0		
R5725	1-216-864-11	SHORT	0		
R5726	1-216-864-11	SHORT	0		
R5727	1-216-845-11	RES,CHIP	100K	5%	1/16W
R5728	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5729	1-216-864-11	SHORT	0		
R5730	1-216-845-11	RES,CHIP	100K	5%	1/16W
R5731	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5732	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5733	1-216-805-11	RES,CHIP	47	5%	1/16W
R5734	1-216-805-11	RES,CHIP	47	5%	1/16W
R5735	1-216-805-11	RES,CHIP	47	5%	1/16W
R5736	1-216-805-11	RES,CHIP	47	5%	1/16W
R5737	1-216-805-11	RES,CHIP	47	5%	1/16W
R5738	1-216-805-11	RES,CHIP	47	5%	1/16W
R5739	1-216-805-11	RES,CHIP	47	5%	1/16W
R5740	1-216-805-11	RES,CHIP	47	5%	1/16W
R5741	1-216-805-11	RES,CHIP	47	5%	1/16W
R5742	1-216-805-11	RES,CHIP	47	5%	1/16W
R5743	1-216-805-11	RES,CHIP	47	5%	1/16W
R5744	1-216-805-11	RES,CHIP	47	5%	1/16W
R5745	1-216-864-11	SHORT	0		
R5746	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5747	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5748	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5752	1-216-805-11	RES,CHIP	47	5%	1/16W
R5753	1-216-805-11	RES,CHIP	47	5%	1/16W
R5754	1-216-809-11	RES,CHIP	100	5%	1/16W
R5755	1-216-809-11	RES,CHIP	100	5%	1/16W
R5756	1-216-809-11	RES,CHIP	100	5%	1/16W
R5757	1-216-809-11	RES,CHIP	100	5%	1/16W
R5764	1-216-805-11	RES,CHIP	47	5%	1/16W
R5805	1-216-845-11	RES,CHIP	100K	5%	1/16W
R5806	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5807	1-216-864-11	SHORT	0		
R5808	1-216-845-11	RES,CHIP	100K	5%	1/16W
R5809	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5810	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5811	1-216-805-11	RES,CHIP	47	5%	1/16W
R5812	1-216-805-11	RES,CHIP	47	5%	1/16W
R5813	1-216-805-11	RES,CHIP	47	5%	1/16W
R5814	1-216-805-11	RES,CHIP	47	5%	1/16W
R5815	1-216-805-11	RES,CHIP	47	5%	1/16W
R5816	1-216-805-11	RES,CHIP	47	5%	1/16W
R5817	1-216-805-11	RES,CHIP	47	5%	1/16W
R5818	1-216-805-11	RES,CHIP	47	5%	1/16W
R5819	1-216-805-11	RES,CHIP	47	5%	1/16W
R5820	1-216-805-11	RES,CHIP	47	5%	1/16W
R5821	1-216-805-11	RES,CHIP	47	5%	1/16W
R5822	1-216-805-11	RES,CHIP	47	5%	1/16W

Ref.No.	Part No.	Description			Remark
R5823	1-216-864-11	SHORT	0		
R5824	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5825	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5826	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5831	1-216-845-11	RES,CHIP	100K	5%	1/16W
R5832	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5833	1-216-864-11	SHORT	0		
R5834	1-216-845-11	RES,CHIP	100K	5%	1/16W
R5835	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5836	1-218-726-11	METAL CHIP	27K	0.50%	1/16W
R5837	1-216-805-11	RES,CHIP	47	5%	1/16W
R5838	1-216-805-11	RES,CHIP	47	5%	1/16W
R5839	1-216-805-11	RES,CHIP	47	5%	1/16W
R5840	1-216-805-11	RES,CHIP	47	5%	1/16W
R5841	1-216-805-11	RES,CHIP	47	5%	1/16W
R5842	1-216-805-11	RES,CHIP	47	5%	1/16W
R5843	1-216-805-11	RES,CHIP	47	5%	1/16W
R5844	1-216-805-11	RES,CHIP	47	5%	1/16W
R5845	1-216-805-11	RES,CHIP	47	5%	1/16W
R5846	1-216-805-11	RES,CHIP	47	5%	1/16W
R5847	1-216-805-11	RES,CHIP	47	5%	1/16W
R5848	1-216-805-11	RES,CHIP	47	5%	1/16W
R5849	1-216-864-11	SHORT	0		
R5850	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5851	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5852	1-216-833-91	RES,CHIP	10K	5%	1/16W
R5853	1-216-805-11	RES,CHIP	47	5%	1/16W
R5854	1-216-797-11	RES,CHIP	10	5%	1/16W
R5901	1-216-822-11	RES,CHIP	1.2K	5%	1/16W
R5908	1-216-864-11	SHORT	0		
R5909	1-216-864-11	SHORT	0		
R5910	1-216-864-11	SHORT	0		
R5911	1-216-864-11	SHORT	0		
R5912	1-216-864-11	SHORT	0		
R5913	1-216-864-11	SHORT	0		
R5921	1-216-864-11	SHORT	0		
R5922	1-216-818-11	RES,CHIP	560	5%	1/16W
R5923	1-216-809-11	RES,CHIP	100	5%	1/16W

<THERMISTOR>

TH5001	1-808-656-11	THERMISTOR
TH5002	1-808-656-11	THERMISTOR

<TEST PIN>

TP5001	1-535-757-11	CHIP, CHECKER
TP5002	1-535-757-11	CHIP, CHECKER
TP5003	1-535-757-11	CHIP, CHECKER
TP5004	1-535-757-11	CHIP, CHECKER
TP5005	1-535-757-11	CHIP, CHECKER
TP5006	1-535-757-11	CHIP, CHECKER
TP5007	1-535-757-11	CHIP, CHECKER
TP5008	1-535-757-11	CHIP, CHECKER
TP5203	1-535-757-11	CHIP, CHECKER
TP5204	1-535-757-11	CHIP, CHECKER
TP5601	1-535-757-11	CHIP, CHECKER
TP5602	1-535-757-11	CHIP, CHECKER
TP5603	1-535-757-11	CHIP, CHECKER
TP5604	1-535-757-11	CHIP, CHECKER
TP5605	1-535-757-11	CHIP, CHECKER
TP5606	1-535-757-11	CHIP, CHECKER
TP5607	1-535-757-11	CHIP, CHECKER
TP5608	1-535-757-11	CHIP, CHECKER
TP5609	1-535-757-11	CHIP, CHECKER
TP5610	1-535-757-11	CHIP, CHECKER

C GA

Ref.No.	Part No.	Description	Remark
TP5701	1-535-757-11	CHIP, CHECKER	
TP5702	1-535-757-11	CHIP, CHECKER	
TP5703	1-535-757-11	CHIP, CHECKER	
TP5704	1-535-757-11	CHIP, CHECKER	
TP5801	1-535-757-11	CHIP, CHECKER	
TP5802	1-535-757-11	CHIP, CHECKER	
TP5803	1-535-757-11	CHIP, CHECKER	
TP5804	1-535-757-11	CHIP, CHECKER	
TP5805	1-535-757-11	CHIP, CHECKER	
TP5806	1-535-757-11	CHIP, CHECKER	
	<CRYSTAL>		
X5001	1-767-347-11	VIBRATOR, CRYSTAL (16MHz)	
X5201	1-781-289-21	OSCILLATOR, CRYSTAL (68MHz)	
X5202	1-781-063-21	OSCILLATOR, CRYSTAL (70MHz)	
**********			
	* A-1316-468-A	GA COMPL	
		**********	
	1-533-223-11	HOLDER, FUSE	
	1-543-923-11	FERRITE 0µH	
	* 4-374-846-01	COVER, CAPACITOR, CAP TYPE	
	* 4-374-846-11	COVER, CAPACITOR, CAP TYPE	
	7-682-648-09	SCREW +PS 3X8	
C9001	⚠1-113-907-51	CERAMIC 0.0022MF 20% 250V	
C9002	⚠1-113-907-51	CERAMIC 0.0022MF 20% 250V	
C9003	⚠1-113-513-11	FILM 1MF 20% 275V	
C9004	⚠1-113-511-11	FILM 0.47MF 20% 275V	
C9005	⚠1-115-166-11	FILM 0.22MF 20% 275V	
C9006	⚠1-113-907-51	CERAMIC 0.0022MF 20% 250V	
C9007	⚠1-113-907-51	CERAMIC 0.0022MF 20% 250V	
C9008	1-125-991-11	ELECT CHIP 180MF 20% 450V	
C9009	1-137-477-11	FILM 0.47MF 10% 400V	
C9012	1-107-792-11	CERAMIC 100PF 5% 1KV	
C9013	1-129-720-00	FILM 0.033MF 5% 630V	
C9014	1-115-785-91	ELECT 470MF 20% 25V	
C9015	1-107-889-11	ELECT 220MF 20% 25V	
C9016	1-115-339-11	CERAMIC CHIP 0.1MF 10% 50V	
C9017	1-107-888-11	ELECT 47MF 20% 25V	
C9018	1-115-339-11	CERAMIC CHIP 0.1MF 10% 50V	
C9019	1-130-202-00	FILM 0.022MF 5% 400V	
C9021	1-115-339-11	CERAMIC CHIP 0.1MF 10% 50V	
C9022	1-115-742-11	ELECT 0.0027F 20% 10V	
C9024	1-107-909-11	ELECT 47MF 20% 16V	
C9025	1-115-339-11	CERAMIC CHIP 0.1MF 10% 50V	
C9030	1-113-903-11	CERAMIC 0.001MF 20% 250V	
C9031	1-109-879-11	ELECT MELF 22PF 5% 1KV	
C9040	1-107-679-91	ELECT 10MF 20% 450V	
C9041	1-107-681-41	ELECT 33MF 20% 450V	
	<DIODE>		
D9001	8-719-066-76	DIODE TF861S	
D9002	⚠8-719-066-75	DIODE D6SB80	
D9003	8-719-060-06	DIODE FSF10A60	
D9004	8-719-055-30	DIODE D1FS4A-TA	
D9006	8-719-055-30	DIODE D1FS4A-TA	
D9008	8-719-059-24	DIODE P6KE200A	
D9009	8-719-961-04	DIODE RGP10J	
D9010	8-719-022-97	DIODE D2S4MF	
D9011	8-719-300-33	DIODE RU-3AM	
D9012	8-719-104-34	DIODE 1S2836	
D9013	8-719-106-71	DIODE RD12M-B2	
D9014	8-719-053-50	DIODE FCQ20A06	

Ref.No.	Part No.	Description	Remark
D9015	8-719-051-96	DIODE FMG-G2CS	
D9017	8-719-053-50	DIODE FCQ20A06	
D9018	8-719-071-96	DIODE P6KE350A	
D9020	8-719-071-96	DIODE P6KE350A	
D9022	8-719-055-33	DIODE D1FL40	
D9025	8-719-106-43	DIODE RD9.1M-B1	
D9026	8-719-106-43	DIODE RD9.1M-B1	
D9031	8-719-071-96	DIODE P6KE350A	
D9032	8-719-071-96	DIODE P6KE350A	
D9033	8-719-961-04	DIODE RGP10J	
D9034	8-719-073-36	DIODE P6KE300A	
	<FUSE>		
F9001	⚠1-576-233-11	FUSE (H.B.C.) (6.3A/250V)	
	<FERRITE BEAD>		
FB9001	1-410-396-41	FERRITE 0µH	
	<COIL>		
L9001	⚠1-416-461-11	INDUCTOR 60µH	
L9002	⚠1-431-838-11	TRANSFORMER, LINE FILTER	
L9003	1-416-754-21	INDUCTOR 0µH	
L9004	1-406-976-11	INDUCTOR 68µH	
	<PHOTO COUPLER>		
PH9001	8-749-010-64	PHOTO COUPLER PC123F2	
PH9002	8-749-010-64	PHOTO COUPLER PC123F2	
	<IC LINK>		
PS9001	⚠1-533-282-21	LINK, IC (2A)	
PS9004	⚠1-576-124-11	LINK, IC (1A)	
	<TRANSISTOR>		
Q9001	8-729-043-15	TRANSISTOR 2SK3013F-02	
Q9003	8-729-230-49	TRANSISTOR 2SC2712-YG	
	<RESISTOR>		
R9002	1-220-336-11	RES,CHIP 220K 5% 1/2W	
R9003	1-220-336-11	RES,CHIP 220K 5% 1/2W	
R9004	⚠1-202-882-91	SOLID 560K 20% 1/2W	
R9005	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9008	1-216-003-11	RES,CHIP 12 5% 1/10W	
R9009	1-216-077-91	RES,CHIP 15K 5% 1/10W	
R9013	1-217-156-00	REGISTER 0.22 10% 5W F	
R9015	1-249-389-11	CARBON 4.7 5% 1/4W F	
R9016	1-216-009-91	RES,CHIP 22 5% 1/10W	
R9017	1-216-311-00	RES,CHIP 6.8 5% 1/10W	
R9018	1-216-075-00	RES,CHIP 12K 5% 1/10W	
R9019	1-216-025-91	RES,CHIP 100 5% 1/10W	
R9020	1-216-689-11	RES,CHIP 39K 5% 1/10W	
R9023	1-216-311-00	RES,CHIP 6.8 5% 1/10W	
R9025	1-216-049-91	RES,CHIP 1K 5% 1/10W	
R9026	1-249-389-11	CARBON 4.7 5% 1/4W F	
R9027	1-219-363-11	FUSIBLE 5.6 5% 5W F	
R9028	1-220-299-91	RES,CHIP 5.6K 5% 1/2W	
R9069	1-220-337-11	RES,CHIP 270K 5% 1/2W	
R9070	1-220-337-11	RES,CHIP 270K 5% 1/2W	
R9072	1-220-297-11	RES,CHIP 3.3K 5% 1/2W	
R9074	1-215-927-00	METAL OXIDE 47K 5% 3W F	

GA GAA GB

Ref.No.	Part No.	Description			Remark
R9075	1-215-927-00	METAL OXIDE	47K	5% 3W	F
	<TRANSFORMER>				
T9001	⚠1-431-680-11	TRANSFORMER, CONVERTER (SRT)			
T9002	⚠1-431-999-21	TRANSFORMER, CONVERTER (SRT)			
	<VARISTOR>				
VD9001	⚠1-801-073-41	VARISTOR ERZV14D471			
VD9002	1-803-136-11	VARISTOR ZP2600			
VD9003	⚠1-801-073-41	VARISTOR ERZV14D471			
VD9004	⚠1-801-073-41	VARISTOR ERZV14D471			
**********					
	* A-1311-787-A	GAA MOUNT			
		**********			
C8001	1-163-009-11	CERAMIC CHIP	0.001MF	10% 50V	
C8012	1-163-003-11	CERAMIC CHIP	330PF	10% 50V	
C8013	1-164-492-11	CERAMIC CHIP	0.15MF	10% 16V	
C8014	1-164-492-11	CERAMIC CHIP	0.15MF	10% 16V	
C8015	1-163-113-00	CERAMIC CHIP	68PF	5% 50V	
C8016	1-163-133-00	CERAMIC CHIP	470PF	5% 50V	
C8033	1-107-417-11	ELECT CHIP	33MF	20% 25V	
C8034	1-165-319-11	CERAMIC CHIP	0.1MF	50V	
C8035	1-107-417-11	ELECT CHIP	33MF	20% 25V	
C8041	1-115-339-11	CERAMIC CHIP	0.1MF	10% 50V	
	<CONNECTOR>				
CN8004	* 1-774-244-11	CONNECTOR, BOARD TO BOARD 5P			
CN8005	* 1-774-245-11	CONNECTOR, BOARD TO BOARD 8P			
CN9001	* 1-691-960-11	PIN, CONNECTOR (PC BOARD) 3P			
CN9002	* 1-774-247-11	CONNECTOR, BOARD TO BOARD 5P			
CN9004	* 1-774-248-11	CONNECTOR, BOARD TO BOARD 8P			
CN9005	* 1-774-247-11	CONNECTOR, BOARD TO BOARD 5P			
CN9006	* 1-774-248-11	CONNECTOR, BOARD TO BOARD 8P			
CN9010	1-695-915-11	TAB (CONTACT)			
	<IC>				
IC8001	8-759-583-06	IC FA5331M-TE1			
IC9001	8-759-487-72	IC TOP222Y-BB			
IC9002	8-759-470-64	IC TOP223Y-BB			
	<TRANSISTOR>				
Q8003	8-729-230-49	TRANSISTOR 2SC2712-YG			
	<RESISTOR>				
R8011	1-220-335-11	RES,CHIP	180K	5% 1/2W	
R8012	1-220-336-11	RES,CHIP	220K	5% 1/2W	
R8013	1-216-057-00	RES,CHIP	2.2K	5% 1/10W	
R8014	1-216-073-00	RES,CHIP	10K	5% 1/10W	
R8015	1-220-337-11	RES,CHIP	270K	5% 1/2W	
R8016	1-216-659-11	METAL CHIP	2.2K	0.50% 1/10W	
R8017	1-216-101-00	RES,CHIP	150K	5% 1/10W	
R8018	1-216-085-00	RES,CHIP	33K	5% 1/10W	
R8019	1-216-005-00	RES,CHIP	15	5% 1/10W	
R8020	1-220-335-11	RES,CHIP	180K	5% 1/2W	
R8021	1-220-335-11	RES,CHIP	180K	5% 1/2W	
R8022	1-216-655-11	METAL CHIP	1.5K	0.50% 1/10W	
R8028	1-216-687-11	METAL CHIP	33K	0.50% 1/10W	
R8031	1-220-337-11	RES,CHIP	270K	5% 1/2W	
R8032	1-216-629-11	METAL CHIP	120	0.50% 1/10W	
R8036	1-216-025-91	RES,CHIP	100	5% 1/10W	
R8037	1-216-689-11	RES,CHIP	39K	5% 1/10W	
R8038	1-216-075-00	RES,CHIP	12K	5% 1/10W	
R8039	1-216-065-91	RES,CHIP	4.7K	5% 1/10W	
R8041	1-216-053-00	RES,CHIP	1.5K	5% 1/10W	
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	* A-1311-786-A	GB MOUNT			
		**********			
	<CAPACITOR>				
C7001	1-115-339-11	CERAMIC CHIP	0.1MF	10% 50V	
C7002	1-107-417-11	ELECT CHIP	33MF	20% 25V	
C7003	1-115-784-11	ELECT	270MF	20% 25V	
C7004	1-107-417-11	ELECT CHIP	33MF	20% 25V	
C7005	1-115-339-11	CERAMIC CHIP	0.1MF	10% 50V	
C7006	1-104-607-11	ELECT CHIP	47MF	20% 16V	
C7007	1-163-005-11	CERAMIC CHIP	470PF	10% 50V	
C7008	1-115-339-11	CERAMIC CHIP	0.1MF	10% 50V	
C7009	1-115-339-11	CERAMIC CHIP	0.1MF	10% 50V	
C7010	1-107-419-21	ELECT CHIP	22MF	20% 35V	
C7011	1-115-339-11	CERAMIC CHIP	0.1MF	10% 50V	
C7012	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	
C7013	1-163-005-11	CERAMIC CHIP	470PF	10% 50V	
C7014	1-115-339-11	CERAMIC CHIP	0.1MF	10% 50V	
C7015	1-163-251-11	CERAMIC CHIP	100PF	5% 50V	
C7016	1-115-339-11	CERAMIC CHIP	0.1MF	10% 50V	
C7017	1-107-419-21	ELECT CHIP	22MF	20% 35V	
C7018	1-115-784-11	ELECT	270MF	20% 25V	
C7019	1-115-339-11	CERAMIC CHIP	0.1MF	10% 50V	
C7020	1-107-418-11	ELECT CHIP	10MF	20% 35V	
C7021	1-164-505-11	CERAMIC CHIP	2.2MF	16V	
C7023	1-107-417-11	ELECT CHIP	33MF	20% 25V	
C7025	1-115-339-11	CERAMIC CHIP	0.1MF	10% 50V	
C7026	1-107-417-11	ELECT CHIP	33MF	20% 25V	
C7040	1-111-087-11	ELECT	330MF	20% 35V	
C7042	1-115-785-91	ELECT	470MF	20% 25V	
C7052	1-163-021-91	CERAMIC CHIP	0.01MF	10% 50V	
C7053	1-163-009-11	CERAMIC CHIP	0.001MF	10% 50V	
C7054	1-163-009-11	CERAMIC CHIP	0.001MF	10% 50V	
C7055	1-128-590-11	ELECT CHIP	100MF	20% 6.3V	
C7061	1-164-690-91	CERAMIC CHIP	0.0022MF	5% 50V	
C7062	1-164-690-91	CERAMIC CHIP	0.0022MF	5% 50V	
C7076	1-104-607-11	ELECT CHIP	47MF	20% 16V	
	<CONNECTOR>				
CN7101	* 1-774-244-11	CONNECTOR, BOARD TO BOARD 5P			
CN7102	* 1-774-245-11	CONNECTOR, BOARD TO BOARD 8P			
CN7103	* 1-564-510-11	PLUG, CONNECTOR 7P			
CN7106	* 1-564-507-11	PLUG, CONNECTOR 4P			
CN7107	* 1-564-515-11	PLUG, CONNECTOR 12P			
CN7109	* 1-564-506-11	PLUG, CONNECTOR 3P			
CN7110	* 1-564-507-11	PLUG, CONNECTOR 4P			
	<DIODE>				
D7001	8-719-988-61	DIODE 1SS355TE-17			
D7002	8-719-055-30	DIODE D1FS4A-TA			
D7008	8-719-055-30	DIODE D1FS4A-TA			
D7009	8-719-055-30	DIODE D1FS4A-TA			
D7011	8-719-073-52	DIODE D2FS6-TA			

Ref.No.	Part No.	Description			Remark
D7012	8-719-073-52	DIODE D2FS6-TA			
D7015	8-719-510-41	DIODE D10SC9M			
D7016	8-719-510-41	DIODE D10SC9M			
D7028	8-719-107-42	DIODE RD24M-T1B1			
D7045	8-719-110-72	DIODE RD30ESB2			
		<IC>			
IC7001	8-759-388-31	IC PQ20VZ1U			
IC7002	8-759-157-17	IC PQ05SZ1U			
IC7005	8-759-388-23	IC TL431BCDR2			
IC7008	8-759-557-46	IC LTC1624IS8-E2			
IC7009	8-759-557-46	IC LTC1624IS8-E2			
		<COIL>			
L7001	1-416-949-21	INDUCTOR	15mmH		
L7002	1-406-661-11	INDUCTOR	22µH		
L7003	1-406-982-41	INDUCTOR	680µH		
L7005	1-416-948-21	INDUCTOR	10mmH		
L7006	1-416-948-21	INDUCTOR	10mmH		
L7007	1-416-948-21	INDUCTOR	10mmH		
L7008	1-406-661-11	INDUCTOR	22µH		
		<IC LINK>			
PS7001	⚠1-533-282-21	LINK, IC (2A)			
PS7002	⚠1-533-282-21	LINK, IC (1A)			
PS7003	⚠1-533-282-21	LINK, IC (2A)			
		<TRANSISTOR>			
Q7001	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q7003	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q7004	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q7007	8-729-048-98	TRANSISTOR 2SK2281-4061			
Q7008	8-729-048-98	TRANSISTOR 2SK2281-4061			
Q7010	8-729-921-49	TRANSISTOR 2SD1760F5-R			
Q7079	8-729-230-49	TRANSISTOR 2SC2712-YG			
		<RESISTOR>			
R7001	1-220-267-11	RES,CHIP	180	5%	1/2W
R7002	1-216-073-00	RES,CHIP	10K	5%	1/10W
R7003	1-218-756-11	METAL CHIP	150K	0.50%	1/10W
R7004	1-216-295-91	SHORT	0		
R7005	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R7006	1-216-662-11	METAL CHIP	3K	0.50%	1/10W
R7007	1-216-689-11	METAL CHIP	39K	0.50%	1/10W
R7009	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R7019	1-216-428-00	METAL OXIDE	180	5%	1W F
R7029	1-220-270-11	RES,CHIP	390	5%	1/2W
R7031	1-216-669-11	METAL CHIP	5.6K	0.50%	1/10W
R7032	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R7036	1-216-025-91	RES,CHIP	100	5%	1/10W
R7037	1-216-699-91	METAL CHIP	100K	0.50%	1/10W
R7038	1-216-679-11	METAL CHIP	15K	0.50%	1/10W
R7039	1-216-677-11	METAL CHIP	12K	0.50%	1/10W
R7040	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R7041	1-216-041-00	RES,CHIP	470	5%	1/10W
R7042	1-216-073-00	RES,CHIP	10K	5%	1/10W
R7043	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R7048	1-216-073-00	RES,CHIP	10K	5%	1/10W
R7049	1-216-073-00	RES,CHIP	10K	5%	1/10W
R7050	1-216-089-91	RES,CHIP	47K	5%	1/10W
R7051	1-216-025-91	RES,CHIP	100	5%	1/10W
R7052	1-216-049-91	RES,CHIP	1K	5%	1/10W

Ref.No.	Part No.	Description			Remark
R7054	1-216-075-00	RES,CHIP	12K	5%	1/10W
R7057	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R7058	1-240-247-91	REGISTER	0.1	5%	1/2W
R7059	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R7060	1-240-247-91	REGISTER	0.1	5%	1/2W
R7061	1-216-041-00	RES,CHIP	470	5%	1/10W
R7062	1-216-041-00	RES,CHIP	470	5%	1/10W
R7063	1-216-041-00	RES,CHIP	470	5%	1/10W
R7064	1-216-041-00	RES,CHIP	470	5%	1/10W
R7065	1-249-389-11	CARBON	4.7	5%	1/4W F
R7077	1-216-029-00	RES,CHIP	150	5%	1/10W
R7078	1-216-085-00	RES,CHIP	33K	5%	1/10W
R7079	1-216-077-91	RES,CHIP	15K	5%	1/10W
R7080	1-216-093-91	RES,CHIP	68K	5%	1/10W
R7081	1-216-671-11	METAL CHIP	6.8K	0.50%	1/10W
R7082	1-216-675-91	METAL CHIP	10K	0.50%	1/10W
R7083	1-216-089-91	RES,CHIP	47K	5%	1/10W
R7084	1-216-009-91	RES,CHIP	22	5%	1/10W

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* A-1316-469-A GBA COMPL

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		<CAPACITOR>			
C7501	1-107-417-11	ELECT CHIP	33MF	20%	25V
C7502	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C7503	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
C7504	1-107-417-11	ELECT CHIP	33MF	20%	25V
C7505	1-107-417-11	ELECT CHIP	33MF	20%	25V
C7506	1-115-339-11	CERAMIC CHIP	0.1MF	10%	50V
		<CONNECTOR>			
CN7501	* 1-564-506-11	PLUG, CONNECTOR 3P			
CN7502	* 1-564-506-11	PLUG, CONNECTOR 3P			
CN7503	* 1-564-506-11	PLUG, CONNECTOR 3P			
CN7504	* 1-564-507-11	PLUG, CONNECTOR 4P			
CN7505	* 1-564-506-11	PLUG, CONNECTOR 3P			
		<DIODE>			
D7501	8-719-055-30	DIODE D1FS4A-TA			
D7502	8-719-988-61	DIODE 1SS355TE-17			
D7503	8-719-914-43	DIODE DAN202K			
		<IC>			
IC7501	8-759-388-31	IC PQ20VZ1U			
IC7502	8-759-388-31	IC PQ20VZ1U			
		<TRANSISTOR>			
Q7501	8-729-230-49	TRANSISTOR 2SC2712-YG			
		<RESISTOR>			
R7501	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R7502	1-216-666-11	METAL CHIP	4.3K	0.50%	1/10W
R7503	1-216-665-11	METAL CHIP	3.9K	0.50%	1/10W
R7504	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R7505	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R7506	1-216-073-00	RES,CHIP	10K	5%	1/10W
R7507	1-216-073-00	RES,CHIP	10K	5%	1/10W
R7508	1-216-682-11	METAL CHIP	20K	0.50%	1/10W

GBA H NF QA

Ref.No.	Part No.	Description			Remark
R7509	1-216-041-00	RES,CHIP	470	5%	1/10W
R7510	1-216-680-11	METAL CHIP	16K	0.50%	1/10W
R7511	1-216-663-11	METAL CHIP	3.3K	0.50%	1/10W
R7512	1-216-661-11	METAL CHIP	2.7K	0.50%	1/10W
R7513	1-216-682-11	METAL CHIP	20K	0.50%	1/10W
R7514	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
R7515	1-216-073-00	RES,CHIP	10K	5%	1/10W
R7516	1-216-065-91	RES,CHIP	4.7K	5%	1/10W
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	* A-1375-189-A	H COMPL			
		**********			
		<CAPACITOR>			
C6001	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
		<CONNECTOR>			
CN6001	* 1-764-007-11	PIN, CONNECTOR (SMD) 12P			
		<DIODE>			
D6001	8-719-914-43	DIODE DAN202K			
D6002	8-719-914-44	DIODE DAP202K			
D6003	8-719-045-61	DIODE SEC1901C			
D6004	8-719-045-61	DIODE SEC1901C			
D6005	8-719-045-51	DIODE SEC2422C			
D6007	8-719-045-53	DIODE SEC1801C			
D6008	8-719-914-43	DIODE DAN202K			
D6009	8-719-914-43	DIODE DAN202K			
D6010	8-719-914-43	DIODE DAN202K			
D6011	8-719-914-44	DIODE DAP202K			
D6012	8-719-914-44	DIODE DAP202K			
D6013	8-719-914-44	DIODE DAP202K			
D6030	8-719-159-10	DIODE RD5.1SB-T2			
		<IC>			
IC6001	8-749-016-48	IC RS-150-T			
		<TRANSISTOR>			
Q6001	8-729-027-38	TRANSISTOR DTA144EKA-T146			
		<RESISTOR>			
R6001	1-216-083-00	RES,CHIP	27K	5%	1/10W
R6002	1-216-075-00	RES,CHIP	12K	5%	1/10W
R6003	1-216-069-00	RES,CHIP	6.8K	5%	1/10W
R6004	1-216-063-91	RES,CHIP	3.9K	5%	1/10W
R6005	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R6006	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6007	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R6008	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R6009	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6012	1-216-059-00	RES,CHIP	2.7K	5%	1/10W
R6013	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R6014	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R6015	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R6016	1-216-073-00	RES,CHIP	10K	5%	1/10W
R6017	1-216-049-91	RES,CHIP	1K	5%	1/10W
R6018	1-216-037-00	RES,CHIP	330	5%	1/10W
R6040	1-216-017-91	RES,CHIP	47	5%	1/10W
R6041	1-216-025-91	RES,CHIP	100	5%	1/10W
		<SWITCH>			
S6001	1-771-105-11	SWITCH, TACTILE (LEFT)			
S6002	1-771-105-11	SWITCH, TACTILE (RIGHT)			
S6003	1-771-105-11	SWITCH, TACTILE (DOWN)			
S6004	1-771-105-11	SWITCH, TACTILE (UP)			
S6005	1-771-105-11	SWITCH, TACTILE (ENTER)			
S6006	1-771-105-11	SWITCH, TACTILE (MENU)			
S6007	1-771-105-11	SWITCH, TACTILE (INPUT)			
S6008	1-771-105-11	SWITCH, TACTILE (POWER)			
S6010	1-771-105-11	SWITCH, TACTILE (DOT P)			
S6011	1-771-105-11	SWITCH, TACTILE (VOL-)			
S6012	1-771-105-11	SWITCH, TACTILE (VOL+)			
S6013	1-771-105-11	SWITCH, TACTILE (RESET)			
		**********			
	* 1-672-838-11	PWB, NF			
		**********			
		<CAPACITOR>			
C4007	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
		<CONNECTOR>			
CN4001	* 1-580-056-21	PIN, CONNECTOR (SMD) 3P			
		<IC>			
IC4001	8-749-012-17	IC RS-140-T			
		<RESISTOR>			
R4001	1-216-017-91	RES,CHIP	47	5%	1/10W
R4002	1-216-025-91	RES,CHIP	100	5%	1/10W
		**********			
	* A-1275-175-A	QA COMPL			
		**********			
		<CAPACITOR>			
C1001	1-126-204-11	ELECT CHIP	47MF	20%	16V
C1002	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1006	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
C1007	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C1008	1-163-017-00	CERAMIC CHIP	0.0047MF	10%	50V
C1009	1-126-204-11	ELECT CHIP	47MF	20%	16V
C1010	1-126-204-11	ELECT CHIP	47MF	20%	16V
C1012	1-135-214-21	TANTAL. CHIP	4.7MF	20%	20V
C1014	1-135-214-21	TANTAL. CHIP	4.7MF	20%	20V
C1016	1-117-681-11	ELECT CHIP	100MF	20%	16V
C1017	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1019	1-163-021-91	CERAMIC CHIP	0.01MF	10%	50V
C1020	1-135-214-21	TANTAL. CHIP	4.7MF	20%	20V
C1021	1-135-214-21	TANTAL. CHIP	4.7MF	20%	20V
C1022	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
C1026	1-163-011-11	CERAMIC CHIP	0.0015MF	10%	50V
C1029	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V

Ref.No.	Part No.	Description			Remark
C1032	1-164-344-11	CERAMIC CHIP	0.068MF	10%	25V
C1034	1-135-192-21	TANTAL. CHIP	0.47MF	20%	20V
C1035	1-164-344-11	CERAMIC CHIP	0.068MF	10%	25V
C1036	1-115-340-11	CERAMIC CHIP	0.22MF	10%	25V
C1037	1-163-011-11	CERAMIC CHIP	0.0015MF	10%	50V
C1038	1-135-192-21	TANTAL. CHIP	0.47MF	20%	20V
C1039	1-117-681-11	ELECT CHIP	100MF	20%	16V
C1040	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1043	1-124-779-00	ELECT CHIP	10MF	20%	16V
C1044	1-124-779-00	ELECT CHIP	10MF	20%	16V
C1045	1-124-779-00	ELECT CHIP	10MF	20%	16V
C1102	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1204	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C1205	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1207	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1208	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1211	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C1212	1-163-229-11	CERAMIC CHIP	12PF	5%	50V
C1213	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1214	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1215	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C1216	1-164-346-11	CERAMIC CHIP	1MF		16V
C1217	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1218	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1219	1-117-681-11	ELECT CHIP	100MF	20%	16V
C1220	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
C1221	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1222	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1223	1-113-577-11	ELECT	47MF	20%	16V
C1224	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1225	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1226	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
C1227	1-164-182-11	CERAMIC CHIP	0.0033MF	10%	50V
C1228	1-126-191-11	ELECT CHIP	0.47MF	20%	50V
C1229	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1231	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1232	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1233	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1235	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1236	1-163-237-11	CERAMIC CHIP	27PF	5%	50V
C1237	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1240	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
C1244	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1246	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1248	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
C1249	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
C1250	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
C1251	1-117-681-11	ELECT CHIP	100MF	20%	16V
C1252	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1253	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1258	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1259	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1262	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1264	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1265	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1266	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
C1267	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1268	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1269	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1270	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1271	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1272	1-117-681-11	ELECT CHIP	100MF	20%	16V
C1273	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1274	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1275	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1276	1-163-009-11	CERAMIC CHIP	0.001MF	10%	50V
C1277	1-163-037-11	CERAMIC CHIP	0.022MF	10%	50V
C1278	1-113-985-11	TANTAL. CHIP	10MF	20%	20V
C1279	1-113-578-11	ELECT	68MF	20%	10V
C1280	1-113-578-11	ELECT	68MF	20%	10V
C1288	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1289	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1290	1-163-227-11	CERAMIC CHIP	10PF	0.5PF	50V
C1291	1-164-004-11	CERAMIC CHIP	0.1MF	10%	25V
C1292	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
		<CONNECTOR>			
CN1001	* 1-785-305-21	CONNECTOR, BOARD TO BOARD 70P			
CN1002	* 1-569-775-21	PIN, CONNECTOR (SMD) 5P			
CN1003	* 1-580-057-11	PIN, CONNECTOR (SMD) 4P			
CN1004	1-566-850-41	CONNECTOR, (S) TERMINAL 4P			
		<DIODE>			
D1001	8-719-158-37	DIODE RD9.1SB2			
D1002	8-719-158-37	DIODE RD9.1SB2			
D1003	8-719-158-37	DIODE RD9.1SB2			
D1004	8-719-158-37	DIODE RD9.1SB2			
D1005	8-719-158-37	DIODE RD9.1SB2			
D1006	8-719-158-37	DIODE RD9.1SB2			
D1007	8-719-158-37	DIODE RD9.1SB2			
D1008	8-719-158-37	DIODE RD9.1SB2			
D1009	8-719-158-37	DIODE RD9.1SB2			
D1010	8-719-036-76	DIODE RD3.3SB2-T1			
D1011	8-719-914-43	DIODE DAN202K			
D1012	8-719-988-61	DIODE 1SS355TE-17			
D1013	8-719-158-15	DIODE RD5.6SB			
D1201	8-719-053-18	DIODE 1SR154-400TE-25			
		<FILTER>			
FL1201	1-239-397-11	FILTER, LOW PASS			
FL1202	1-239-397-11	FILTER, LOW PASS			
FL1203	1-239-397-11	FILTER, LOW PASS			
		<IC>			
IC1001	8-759-082-61	IC TC4W53FU			
IC1002	8-759-082-61	IC TC4W53FU			
IC1003	8-752-083-07	IC CXA1846AN-T4			
IC1004	8-759-596-49	IC LM4863MTEX			
IC1102	8-752-072-94	IC CXA1875AM-T4			
IC1201	8-759-565-20	IC TDA4665T/V5-118			
IC1202	8-759-490-50	IC TDA9143/S1			
IC1203	8-759-432-78	IC MM1111XFBE			
IC1204	8-759-492-19	IC MM1231XFBE			
IC1205	8-752-390-37	IC CXD2064Q-T6			
IC1208	8-759-572-04	IC TDA9178T/N1.118			
IC1209	8-759-443-08	IC TC7W241FU-TE12R			
		<JACK>			
J1001	1-695-865-11	JACK, PIN 3P (VIDEO/AUDIO INPUT)			
J1002	1-563-935-11	JACK, STEREO HEADPHONE (AUDIO INPUT A)			
J1003	1-563-935-11	JACK, STEREO HEADPHONE (AUDIO OUT)			
		<COIL>			
L1001	1-412-363-21	FERRITE	0µH		
L1002	1-412-363-21	FERRITE	0µH		
L1003	1-412-363-21	FERRITE	0µH		

QA

Ref.No.	Part No.	Description			Remark
L1004	1-412-363-21	FERRITE	0µH		
L1005	1-412-363-21	FERRITE	0µH		
L1006	1-412-363-21	FERRITE	0µH		
L1007	1-412-363-21	FERRITE	0µH		
L1008	1-412-363-21	FERRITE	0µH		
L1009	1-412-363-21	FERRITE	0µH		
L1010	1-414-752-11	INDUCTOR	2.2µH		
L1011	1-410-377-31	INDUCTOR CHIP		4.7µH	
L1202	1-414-235-22	INDUCTOR CHIP		0µH	
L1204	1-414-235-22	INDUCTOR CHIP		0µH	
L1205	1-412-796-41	INDUCTOR		47µH	
L1206	1-410-377-31	INDUCTOR CHIP		4.7µH	
L1207	1-414-235-22	INDUCTOR CHIP		0µH	
L1208	1-500-451-11	FERRITE		0µH	
L1209	1-412-788-41	INDUCTOR		10µH	
		<TRANSISTOR>			
Q1001	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1002	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1003	1-801-806-11	TRANSISTOR DTC144EKA-T146			
Q1004	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1005	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1006	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1007	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1008	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1201	1-801-806-11	TRANSISTOR DTC144EKA-T146			
Q1202	1-801-806-11	TRANSISTOR DTC144EKA-T146			
Q1204	1-801-806-11	TRANSISTOR DTC144EKA-T146			
Q1205	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1206	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1207	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1210	8-729-107-31	TRANSISTOR 2SC3545-T43			
Q1213	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1214	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1215	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1217	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1222	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1223	1-801-806-11	TRANSISTOR DTC144EKA-T146			
Q1224	1-801-806-11	TRANSISTOR DTC144EKA-T146			
Q1225	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1226	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1227	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1228	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1229	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1230	8-729-216-22	TRANSISTOR 2SA1162-G			
Q1231	8-729-230-49	TRANSISTOR 2SC2712-YG			
Q1232	1-801-806-11	TRANSISTOR DTC144EKA-T146			
		<RESISTOR>			
R1001	1-216-025-91	RES,CHIP	100	5%	1/10W
R1002	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R1003	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1004	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R1006	1-216-624-11	METAL CHIP	75	0.50%	1/10W
R1008	1-216-295-91	SHORT	0		
R1009	1-216-025-91	RES,CHIP	100	5%	1/10W
R1010	1-216-025-91	RES,CHIP	100	5%	1/10W
R1011	1-216-113-00	RES,CHIP	470K	5%	1/10W
R1012	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1013	1-216-025-91	RES,CHIP	100	5%	1/10W
R1014	1-216-025-91	RES,CHIP	100	5%	1/10W
R1015	1-216-025-91	RES,CHIP	100	5%	1/10W
R1016	1-216-025-91	RES,CHIP	100	5%	1/10W
R1017	1-216-025-91	RES,CHIP	100	5%	1/10W

Ref.No.	Part No.	Description			Remark
R1018	1-216-113-00	RES,CHIP	470K	5%	1/10W
R1020	1-216-295-91	SHORT	0		
R1021	1-216-113-00	RES,CHIP	470K	5%	1/10W
R1024	1-216-113-00	RES,CHIP	470K	5%	1/10W
R1025	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R1026	1-216-698-11	METAL CHIP	91K	0.50%	1/10W
R1027	1-216-113-00	RES,CHIP	470K	5%	1/10W
R1028	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1031	1-216-113-00	RES,CHIP	470K	5%	1/10W
R1032	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1036	1-216-683-11	METAL CHIP	22K	0.50%	1/10W
R1037	1-216-698-11	METAL CHIP	91K	0.50%	1/10W
R1041	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1042	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1044	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1045	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1046	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R1047	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R1048	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1049	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1050	1-216-017-91	RES,CHIP	47	5%	1/10W
R1051	1-216-017-91	RES,CHIP	47	5%	1/10W
R1052	1-216-017-91	RES,CHIP	47	5%	1/10W
R1053	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R1054	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R1055	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1056	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1057	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1058	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1059	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1060	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1061	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1062	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1063	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1064	1-216-097-91	RES,CHIP	100K	5%	1/10W
R1101	1-216-025-91	RES,CHIP	100	5%	1/10W
R1102	1-216-025-91	RES,CHIP	100	5%	1/10W
R1103	1-216-025-91	RES,CHIP	100	5%	1/10W
R1115	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1116	1-216-025-91	RES,CHIP	100	5%	1/10W
R1117	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1118	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1119	1-216-025-91	RES,CHIP	100	5%	1/10W
R1120	1-216-025-91	RES,CHIP	100	5%	1/10W
R1121	1-216-025-91	RES,CHIP	100	5%	1/10W
R1122	1-216-025-91	RES,CHIP	100	5%	1/10W
R1123	1-216-025-91	RES,CHIP	100	5%	1/10W
R1124	1-216-025-91	RES,CHIP	100	5%	1/10W
R1125	1-216-025-91	RES,CHIP	100	5%	1/10W
R1126	1-216-025-91	RES,CHIP	100	5%	1/10W
R1127	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1201	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1202	1-216-025-91	RES,CHIP	100	5%	1/10W
R1203	1-216-025-91	RES,CHIP	100	5%	1/10W
R1204	1-216-085-00	RES,CHIP	33K	5%	1/10W
R1205	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1206	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1207	1-216-295-91	SHORT	0		
R1208	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1209	1-216-667-11	METAL CHIP	4.7K	0.50%	1/10W
R1210	1-216-639-11	METAL CHIP	330	0.50%	1/10W
R1211	1-216-295-91	SHORT	0		
R1212	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1213	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1214	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1215	1-216-025-91	RES,CHIP	100	5%	1/10W
R1216	1-216-095-00	RES,CHIP	82K	5%	1/10W

Ref.No.	Part No.	Description			Remark
R1217	1-216-077-91	RES,CHIP	15K	5%	1/10W
R1218	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1219	1-216-633-11	METAL CHIP	180	0.50%	1/10W
R1220	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1222	1-216-643-11	METAL CHIP	470	0.50%	1/10W
R1223	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1224	1-216-025-91	RES,CHIP	100	5%	1/10W
R1225	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1229	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1235	1-216-025-91	RES,CHIP	100	5%	1/10W
R1237	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1239	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1240	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1241	1-216-041-00	RES,CHIP	470	5%	1/10W
R1242	1-216-041-00	RES,CHIP	470	5%	1/10W
R1245	1-216-041-00	RES,CHIP	470	5%	1/10W
R1246	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1247	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1248	1-216-033-00	RES,CHIP	220	5%	1/10W
R1249	1-216-633-11	METAL CHIP	180	0.50%	1/10W
R1250	1-216-041-00	RES,CHIP	470	5%	1/10W
R1251	1-216-025-91	RES,CHIP	100	5%	1/10W
R1252	1-216-025-91	RES,CHIP	100	5%	1/10W
R1253	1-216-025-91	RES,CHIP	100	5%	1/10W
R1254	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1256	1-216-295-91	SHORT	0		
R1260	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1261	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R1262	1-216-035-00	RES,CHIP	270	5%	1/10W
R1267	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R1268	1-216-041-00	RES,CHIP	470	5%	1/10W
R1269	1-216-041-00	RES,CHIP	470	5%	1/10W
R1275	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R1277	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1278	1-216-081-00	RES,CHIP	22K	5%	1/10W
R1279	1-216-089-91	RES,CHIP	47K	5%	1/10W
R1280	1-216-295-91	SHORT	0		
R1281	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1283	1-216-635-11	METAL CHIP	220	0.50%	1/10W
R1284	1-216-295-91	SHORT	0		
R1285	1-216-025-91	RES,CHIP	100	5%	1/10W
R1286	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R1287	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R1290	1-216-051-00	RES,CHIP	1.2K	5%	1/10W
R1291	1-216-043-91	RES,CHIP	560	5%	1/10W
R1292	1-216-091-00	RES,CHIP	56K	5%	1/10W
R1293	1-216-073-00	RES,CHIP	10K	5%	1/10W
R1294	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R1295	1-216-043-91	RES,CHIP	560	5%	1/10W
R1296	1-216-043-91	RES,CHIP	560	5%	1/10W
R1297	1-216-055-00	RES,CHIP	1.8K	5%	1/10W
R1298	1-216-067-00	RES,CHIP	5.6K	5%	1/10W
R1299	1-216-043-91	RES,CHIP	560	5%	1/10W
R1300	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1301	1-216-043-91	RES,CHIP	560	5%	1/10W
R1302	1-216-053-00	RES,CHIP	1.5K	5%	1/10W
R1303	1-216-025-91	RES,CHIP	100	5%	1/10W
R1305	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1306	1-216-057-00	RES,CHIP	2.2K	5%	1/10W
R1307	1-216-061-00	RES,CHIP	3.3K	5%	1/10W
R1308	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1309	1-216-295-91	SHORT	0		
R1310	1-216-295-91	SHORT	0		
R1311	1-216-295-91	SHORT	0		
R1312	1-216-025-91	RES,CHIP	100	5%	1/10W
R1316	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1317	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1318	1-216-049-91	RES,CHIP	1K	5%	1/10W
R1319	1-216-025-91	RES,CHIP	100	5%	1/10W
R1320	1-216-643-11	METAL CHIP	470	0.50%	1/10W

<SWITCH>

S1001	1-570-245-11	SWITCH, MICRO (FILTER COVER)

<CRYSTAL>

X1201	1-760-190-11	VIBRATOR, CRYSTAL (3.579545MHz)
X1202	1-579-973-11	VIBRATOR, CRYSTAL (3.575611MHz)
X1203	1-760-191-11	VIBRATOR, CRYSTAL (4.433618MHz)

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*	A-1275-176-A	QB COMPL

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<CAPACITOR>

C2201	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2202	1-126-204-11	ELECT CHIP	47MF	20%	16V
C2203	1-126-205-11	ELECT CHIP	47MF	20%	6.3V
C2204	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C2301	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2302	1-126-204-11	ELECT CHIP	47MF	20%	16V
C2303	1-126-205-11	ELECT CHIP	47MF	20%	6.3V
C2304	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2701	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2702	1-126-204-11	ELECT CHIP	47MF	20%	16V
C2703	1-126-205-11	ELECT CHIP	47MF	20%	6.3V
C2704	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2801	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2802	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2803	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2804	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2805	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2807	1-117-681-11	ELECT CHIP	100MF	20%	16V
C2808	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2809	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2810	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2811	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2901	1-115-566-11	CERAMIC CHIP	4.7MF	10%	10V
C2902	1-115-566-11	CERAMIC CHIP	4.7MF	10%	10V
C2903	1-119-667-11	CERAMIC CHIP	22MF		10V
C2904	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2905	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2906	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2911	1-119-667-11	CERAMIC CHIP	22MF		10V
C2912	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2913	1-109-982-11	CERAMIC CHIP	1MF	10%	10V
C2914	1-115-467-11	CERAMIC CHIP	0.22MF	10%	10V
C2915	1-115-467-11	CERAMIC CHIP	0.22MF	10%	10V
C2916	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2917	1-115-467-11	CERAMIC CHIP	0.22MF	10%	10V
C2918	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2919	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2920	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2921	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2922	1-119-667-11	CERAMIC CHIP	22MF		10V
C2923	1-164-173-11	CERAMIC CHIP	0.0039MF	10%	50V
C2924	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2925	1-162-927-11	CERAMIC CHIP	100PF	5%	50V

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Ref.No.	Part No.	Description			Remark
C2926	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2927	1-104-607-11	ELECT CHIP	47MF	20%	16V
C2928	1-128-451-11	ELECT CHIP	22MF	20%	16V
C2929	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2930	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2931	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2932	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2933	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2934	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2935	1-126-204-11	ELECT CHIP	47MF	20%	16V
C2936	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2937	1-107-682-11	CERAMIC CHIP	1MF	10%	16V
C2938	1-124-779-00	ELECT CHIP	10MF	20%	16V
C2939	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2940	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2941	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2942	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2943	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2944	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2945	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2946	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2947	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2948	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C2949	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2950	1-162-967-11	CERAMIC CHIP	0.0033MF	10%	50V
C2951	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C2952	1-113-578-11	ELECT	68MF	20%	10V
C2953	1-128-451-11	ELECT CHIP	22MF	20%	16V
C2954	1-115-156-11	CERAMIC CHIP	1MF		10V
C2955	1-162-919-11	CERAMIC CHIP	22PF	5%	50V
C2956	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C2957	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3101	1-115-156-11	CERAMIC CHIP	1MF		10V
C3102	1-115-156-11	CERAMIC CHIP	1MF		10V
C3103	1-115-156-11	CERAMIC CHIP	1MF		10V
C3104	1-117-720-11	CERAMIC CHIP	4.7MF		10V
C3105	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3106	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3107	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3108	1-115-156-11	CERAMIC CHIP	1MF		10V
C3109	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3110	1-162-927-11	CERAMIC CHIP	100PF	5%	50V
C3111	1-110-501-11	CERAMIC CHIP	0.33MF	10%	16V
C3112	1-164-730-11	CERAMIC CHIP	0.0012MF	10%	50V
C3113	1-117-720-11	CERAMIC CHIP	4.7MF		10V
C3114	1-164-505-11	CERAMIC CHIP	2.2MF		16V
C3115	1-115-156-11	CERAMIC CHIP	1MF		10V
C3116	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3117	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3118	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3119	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3120	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3121	1-115-156-11	CERAMIC CHIP	1MF		10V
C3122	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3123	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3124	1-115-156-11	CERAMIC CHIP	1MF		10V
C3125	1-115-156-11	CERAMIC CHIP	1MF		10V
C3126	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3127	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3128	1-115-156-11	CERAMIC CHIP	1MF		10V
C3129	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3130	1-115-156-11	CERAMIC CHIP	1MF		10V
C3131	1-115-156-11	CERAMIC CHIP	1MF		10V
C3132	1-162-970-11	CERAMIC CHIP	0.01MF	10%	25V
C3133	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3134	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3135	1-115-156-11	CERAMIC CHIP	1MF		10V
C3136	1-124-779-00	ELECT CHIP	10MF	20%	16V
C3412	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3413	1-107-561-11	FILM CHIP	0.01MF	5%	50V
C3414	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3415	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C3512	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3513	1-107-561-11	FILM CHIP	0.01MF	5%	50V
C3514	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3515	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V
C3612	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3613	1-107-561-11	FILM CHIP	0.01MF	5%	50V
C3614	1-164-156-11	CERAMIC CHIP	0.1MF		25V
C3615	1-107-826-91	CERAMIC CHIP	0.1MF	10%	16V

<CONNECTOR>

CN2801	1-778-830-21	CONNECTOR (BUS) (MOUSE)	
CN2901	1-784-828-11	CONNECTOR, D SUB (INPUT A)	
CN2902	* 1-785-306-21	CONNECTOR, BOARD TO BOARD70P	
CN2903	* 1-785-305-21	CONNECTOR, BOARD TO BOARD 70P	
CN2904	* 1-785-305-21	CONNECTOR, BOARD TO BOARD 70P	

<DIODE>

D2201	8-719-800-76	DIODE 1SS226	
D2301	8-719-800-76	DIODE 1SS226	
D2701	8-719-800-76	DIODE 1SS226	
D2801	8-719-158-37	DIODE RD9.1SB2	
D2802	8-719-158-15	DIODE RD5.6SB	
D2811	8-719-158-15	DIODE RD5.6SB	
D2812	8-719-158-15	DIODE RD5.6SB	
D2813	8-719-988-61	DIODE 1SS355TE-17	
D2814	8-719-988-61	DIODE 1SS355TE-17	
D2815	8-719-988-61	DIODE 1SS355TE-17	
D2816	8-719-988-61	DIODE 1SS355TE-17	
D2817	8-719-158-15	DIODE RD5.6SB	
D2818	8-719-058-24	DIODE RB501V-40TE-17	
D2821	8-719-988-61	DIODE 1SS355TE-17	
D2822	8-719-073-11	DIODE BZA456A	
D2823	8-719-073-11	DIODE BZA456A	
D2901	8-719-800-76	DIODE 1SS226	
D2902	8-719-800-76	DIODE 1SS226	
D2903	8-719-158-15	DIODE RD5.6SB	
D2904	8-719-158-15	DIODE RD5.6SB	
D2905	8-719-158-15	DIODE RD5.6SB	
D2906	8-719-158-15	DIODE RD5.6SB	
D2907	8-719-053-18	DIODE 1SR154-400TE-25	

<FERRITE BEAD>

FB2901	1-414-235-22	INDUCTOR CHIP	0µH
FB3101	1-414-235-22	INDUCTOR CHIP	0µH
FB3102	1-414-235-22	INDUCTOR CHIP	0µH
FB3103	1-414-235-22	INDUCTOR CHIP	0µH
FB3104	1-414-235-22	INDUCTOR CHIP	0µH

<IC>

IC2801	8-759-638-63	IC RCV2-A4T-QTP
IC2802	8-759-523-97	IC TC74VHC123AFT(EL)
IC2901	8-759-522-86	IC M52755FP-TP
IC2902	8-752-073-52	IC CXA2016S
IC2903	8-759-335-28	IC TA78M09F(TE16L)
IC2904	8-759-472-37	IC 74VHC240MTCX
IC2905	8-752-070-54	IC CXA1839Q-T6
IC2906	8-759-472-35	IC 74VHC221AMTCX
IC2907	8-752-072-94	IC CXA1875AM-T4
IC2908	8-759-388-31	IC PQ20VZ1U

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Ref.No.	Part No.	Description				Remark
IC2909	8-759-472-00	IC 74VHC14MTCX				
IC3101	8-752-086-21	IC CXA3106AQ-T6				
IC3102	8-719-985-01	DIODE LM385M-1.2				
IC3103	8-759-473-74	IC SN74CBTD3306PWR				
IC3104	8-759-475-35	IC TC74LCX04FT(EL)				
IC3105	8-759-572-03	IC AD9483KS-140				
IC3106	8-759-196-96	IC TC7SH08FU-TE85R				
IC3403	8-759-080-34	IC TA75W01FU				
IC3404	8-759-082-60	IC TC7S66FU				
IC3405	8-759-449-58	IC LM7131BCM5X				
IC3503	8-759-080-34	IC TA75W01FU				
IC3504	8-759-082-60	IC TC7S66FU				
IC3505	8-759-449-58	IC LM7131BCM5X				
IC3603	8-759-080-34	IC TA75W01FU				
IC3604	8-759-082-60	IC TC7S66FU				
IC3605	8-759-449-58	IC LM7131BCM5X				
		<COIL>				
L2903	1-414-235-22	INDUCTOR CHIP	0µH			
L2904	1-414-235-22	INDUCTOR CHIP	0µH			
L2905	1-414-752-11	INDUCTOR	2.2µH			
L2906	1-414-235-22	INDUCTOR CHIP	0µH			
L2907	1-500-451-11	FERRITE	0µH			
L2908	1-414-235-22	INDUCTOR CHIP	0µH			
L2909	1-500-451-11	FERRITE	0µH			
		<TRANSISTOR>				
Q2201	8-729-140-63	TRANSISTOR 2SA1611-M5M6				
Q2301	8-729-140-63	TRANSISTOR 2SA1611-M5M6				
Q2701	8-729-140-63	TRANSISTOR 2SA1611-M5M6				
Q2801	8-729-140-63	TRANSISTOR 2SA1611-M5M6				
Q2802	8-729-907-00	TRANSISTOR DTC114EU				
Q2803	8-729-907-00	TRANSISTOR DTC114EU				
Q3401	8-729-140-63	TRANSISTOR 2SA1611-M5M6				
Q3501	8-729-140-63	TRANSISTOR 2SA1611-M5M6				
Q3601	8-729-140-63	TRANSISTOR 2SA1611-M5M6				
		<RESISTOR>				
R2201	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R2202	1-216-805-11	RES,CHIP	47	5%	1/16W	
R2203	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2204	1-216-821-11	RES,CHIP	1K	5%	1/16W	
R2205	1-218-692-11	METAL CHIP	1K	0.50%	1/16W	
R2206	1-218-692-11	METAL CHIP	1K	0.50%	1/16W	
R2207	1-216-835-11	RES,CHIP	15K	5%	1/16W	
R2208	1-216-839-11	RES,CHIP	33K	5%	1/16W	
R2301	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R2302	1-216-805-11	RES,CHIP	47	5%	1/16W	
R2303	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2304	1-216-821-11	RES,CHIP	1K	5%	1/16W	
R2305	1-218-672-11	METAL CHIP	150	0.50%	1/16W	
R2306	1-218-696-11	METAL CHIP	1.5K	0.50%	1/16W	
R2307	1-216-835-11	RES,CHIP	15K	5%	1/16W	
R2308	1-216-839-11	RES,CHIP	33K	5%	1/16W	
R2701	1-216-625-11	METAL CHIP	82	0.50%	1/10W	
R2702	1-216-805-11	RES,CHIP	47	5%	1/16W	
R2703	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2704	1-216-821-11	RES,CHIP	1K	5%	1/16W	
R2705	1-218-688-11	METAL CHIP	680	0.50%	1/16W	
R2706	1-218-696-11	METAL CHIP	1.5K	0.50%	1/16W	
R2707	1-216-835-11	RES,CHIP	15K	5%	1/16W	
R2708	1-216-839-11	RES,CHIP	33K	5%	1/16W	
R2801	1-216-829-11	RES,CHIP	4.7K	5%	1/16W	

Ref.No.	Part No.	Description				Remark
R2802	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2803	1-216-838-11	RES,CHIP	27K	5%	1/16W	
R2804	1-216-838-11	RES,CHIP	27K	5%	1/16W	
R2805	1-216-829-11	RES,CHIP	4.7K	5%	1/16W	
R2806	1-216-829-11	RES,CHIP	4.7K	5%	1/16W	
R2807	1-216-829-11	RES,CHIP	4.7K	5%	1/16W	
R2808	1-216-864-11	SHORT	0			
R2809	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2810	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2811	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2812	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2813	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2814	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2815	1-216-864-11	SHORT	0			
R2816	1-216-805-11	RES,CHIP	47	5%	1/16W	
R2817	1-216-805-11	RES,CHIP	47	5%	1/16W	
R2818	1-216-857-11	RES,CHIP	1M	5%	1/16W	
R2819	1-216-829-11	RES,CHIP	4.7K	5%	1/16W	
R2820	1-216-841-11	RES,CHIP	47K	5%	1/16W	
R2821	1-216-829-11	RES,CHIP	4.7K	5%	1/16W	
R2822	1-216-841-11	RES,CHIP	47K	5%	1/16W	
R2823	1-216-829-11	RES,CHIP	4.7K	5%	1/16W	
R2825	1-216-837-11	RES,CHIP	22K	5%	1/16W	
R2826	1-216-837-11	RES,CHIP	22K	5%	1/16W	
R2827	1-216-837-11	RES,CHIP	22K	5%	1/16W	
R2828	1-216-837-11	RES,CHIP	22K	5%	1/16W	
R2829	1-216-837-11	RES,CHIP	22K	5%	1/16W	
R2830	1-216-829-11	RES,CHIP	4.7K	5%	1/16W	
R2831	1-216-841-11	RES,CHIP	47K	5%	1/16W	
R2832	1-216-841-11	RES,CHIP	47K	5%	1/16W	
R2837	1-216-821-11	RES,CHIP	1K	5%	1/16W	
R2901	1-216-864-11	SHORT	0			
R2902	1-216-864-11	SHORT	0			
R2903	1-216-816-11	RES,CHIP	390	5%	1/16W	
R2904	1-216-816-11	RES,CHIP	390	5%	1/16W	
R2905	1-216-864-11	SHORT	0			
R2907	1-218-704-11	METAL CHIP	3.3K	0.50%	1/16W	
R2908	1-218-726-11	METAL CHIP	27K	0.50%	1/16W	
R2909	1-218-692-11	METAL CHIP	1K	0.50%	1/16W	
R2910	1-216-864-11	SHORT	0			
R2911	1-216-864-11	SHORT	0			
R2912	1-216-864-11	SHORT	0			
R2916	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2917	1-216-833-91	RES,CHIP	10K	5%	1/16W	
R2918	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2919	1-216-839-11	RES,CHIP	33K	5%	1/16W	
R2920	1-218-726-11	METAL CHIP	27K	0.50%	1/16W	
R2921	1-218-718-11	METAL CHIP	12K	0.50%	1/16W	
R2922	1-216-825-11	RES,CHIP	2.2K	5%	1/16W	
R2923	1-216-827-11	RES,CHIP	3.3K	5%	1/16W	
R2924	1-218-672-11	METAL CHIP	150	0.50%	1/16W	
R2925	1-218-670-11	METAL CHIP	120	0.50%	1/16W	
R2926	1-216-821-11	RES,CHIP	1K	5%	1/16W	
R2927	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2929	1-216-805-11	RES,CHIP	47	5%	1/16W	
R2930	1-216-838-11	RES,CHIP	27K	5%	1/16W	
R2931	1-216-833-91	RES,CHIP	10K	5%	1/16W	
R2932	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2933	1-216-864-11	SHORT	0			
R2934	1-216-864-11	SHORT	0			
R2935	1-216-821-11	RES,CHIP	1K	5%	1/16W	
R2936	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2937	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2938	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2939	1-216-809-11	RES,CHIP	100	5%	1/16W	
R2940	1-216-821-11	RES,CHIP	1K	5%	1/16W	
R2941	1-216-809-11	RES,CHIP	100	5%	1/16W	

QB

Ref.No.	Part No.	Description			Remark
R2943	1-218-716-11	METAL CHIP	10K	0.50%	1/16W
R2944	1-216-809-11	RES,CHIP	100	5%	1/16W
R2945	1-218-696-11	METAL CHIP	1.5K	0.50%	1/16W
R2946	1-216-833-91	RES,CHIP	10K	5%	1/16W
R2947	1-216-809-11	RES,CHIP	100	5%	1/16W
R2948	1-216-809-11	RES,CHIP	100	5%	1/16W
R2949	1-216-809-11	RES,CHIP	100	5%	1/16W
R2950	1-216-833-91	RES,CHIP	10K	5%	1/16W
R2951	1-216-833-91	RES,CHIP	10K	5%	1/16W
R2952	1-216-833-91	RES,CHIP	10K	5%	1/16W
R2953	1-216-813-11	RES,CHIP	220	5%	1/16W
R2954	1-216-833-91	RES,CHIP	10K	5%	1/16W
R2959	1-216-797-11	RES,CHIP	10	5%	1/16W
R2998	1-216-809-11	RES,CHIP	100	5%	1/16W
R2999	1-216-809-11	RES,CHIP	100	5%	1/16W
R3101	1-218-697-11	METAL CHIP	1.6K	0.50%	1/16W
R3102	1-216-807-11	RES,CHIP	68	5%	1/16W
R3103	1-218-704-11	METAL CHIP	3.3K	0.50%	1/16W
R3104	1-216-815-11	RES,CHIP	330	5%	1/16W
R3105	1-216-864-11	SHORT	0		
R3106	1-216-815-11	RES,CHIP	330	5%	1/16W
R3107	1-216-864-11	SHORT	0		
R3108	1-216-864-11	SHORT	0		
R3111	1-216-864-11	SHORT	0		
R3115	1-216-809-11	RES,CHIP	100	5%	1/16W
R3116	1-216-809-11	RES,CHIP	100	5%	1/16W
R3117	1-216-845-11	RES,CHIP	100K	5%	1/16W
R3118	1-216-801-11	RES,CHIP	22	5%	1/16W
R3119	1-216-807-11	RES,CHIP	68	5%	1/16W
R3120	1-216-821-11	RES,CHIP	1K	5%	1/16W
R3121	1-216-803-11	RES,CHIP	33	5%	1/16W
R3122	1-216-801-11	RES,CHIP	22	5%	1/16W
R3123	1-216-801-11	RES,CHIP	22	5%	1/16W
R3128	1-216-809-11	RES,CHIP	100	5%	1/16W
R3129	1-216-833-91	RES,CHIP	10K	5%	1/16W
R3215	1-216-829-11	RES,CHIP	4.7K	5%	1/16W
R3402	1-218-702-11	METAL CHIP	2.7K	0.50%	1/16W
R3403	1-218-692-11	METAL CHIP	1K	0.50%	1/16W
R3404	1-216-809-11	RES,CHIP	100	5%	1/16W
R3405	1-216-809-11	RES,CHIP	100	5%	1/16W
R3406	1-216-821-11	RES,CHIP	1K	5%	1/16W
R3407	1-216-821-11	RES,CHIP	1K	5%	1/16W
R3502	1-218-702-11	METAL CHIP	2.7K	0.50%	1/16W
R3503	1-218-692-11	METAL CHIP	1K	0.50%	1/16W
R3504	1-216-809-11	RES,CHIP	100	5%	1/16W
R3505	1-216-809-11	RES,CHIP	100	5%	1/16W
R3506	1-216-821-11	RES,CHIP	1K	5%	1/16W
R3507	1-216-821-11	RES,CHIP	1K	5%	1/16W
R3602	1-218-702-11	METAL CHIP	2.7K	0.50%	1/16W
R3603	1-218-692-11	METAL CHIP	1K	0.50%	1/16W
R3604	1-216-809-11	RES,CHIP	100	5%	1/16W
R3605	1-216-809-11	RES,CHIP	100	5%	1/16W
R3606	1-216-821-11	RES,CHIP	1K	5%	1/16W
R3607	1-216-821-11	RES,CHIP	1K	5%	1/16W

<NETWORK>

RB3401	1-233-576-11	RES, CHIP NETWORK 100
RB3402	1-233-576-11	RES, CHIP NETWORK 100
RB3403	1-233-576-11	RES, CHIP NETWORK 100
RB3404	1-233-576-11	RES, CHIP NETWORK 100
RB3501	1-233-576-11	RES, CHIP NETWORK 100
RB3502	1-233-576-11	RES, CHIP NETWORK 100
RB3503	1-233-576-11	RES, CHIP NETWORK 100
RB3504	1-233-576-11	RES, CHIP NETWORK 100
RB3601	1-239-409-11	RES, CHIP NETWORK 47 (3216)
RB3602	1-239-409-11	RES, CHIP NETWORK 47 (3216)

Ref.No.	Part No.	Description	Remark
RB3603	1-239-409-11	RES, CHIP NETWORK 47 (3216)	
RB3604	1-239-409-11	RES, CHIP NETWORK 47 (3216)	

<SWITCH>

S2901	1-571-674-11	SWITCH, SLIDE (75Ω SW)	
S2902	1-571-674-11	SWITCH, SLIDE (75Ω SW)	
S2903	1-762-984-11	SWITCH, PUSH (LAMP COVER)	

<THERMISTOR>

TH2901	1-809-020-11	THERMISTOR (8MHz)	

<CRYSTAL>

X2801	1-578-689-21	VIBRATOR (8MHz)	

****

MISCELLANEOUS
****

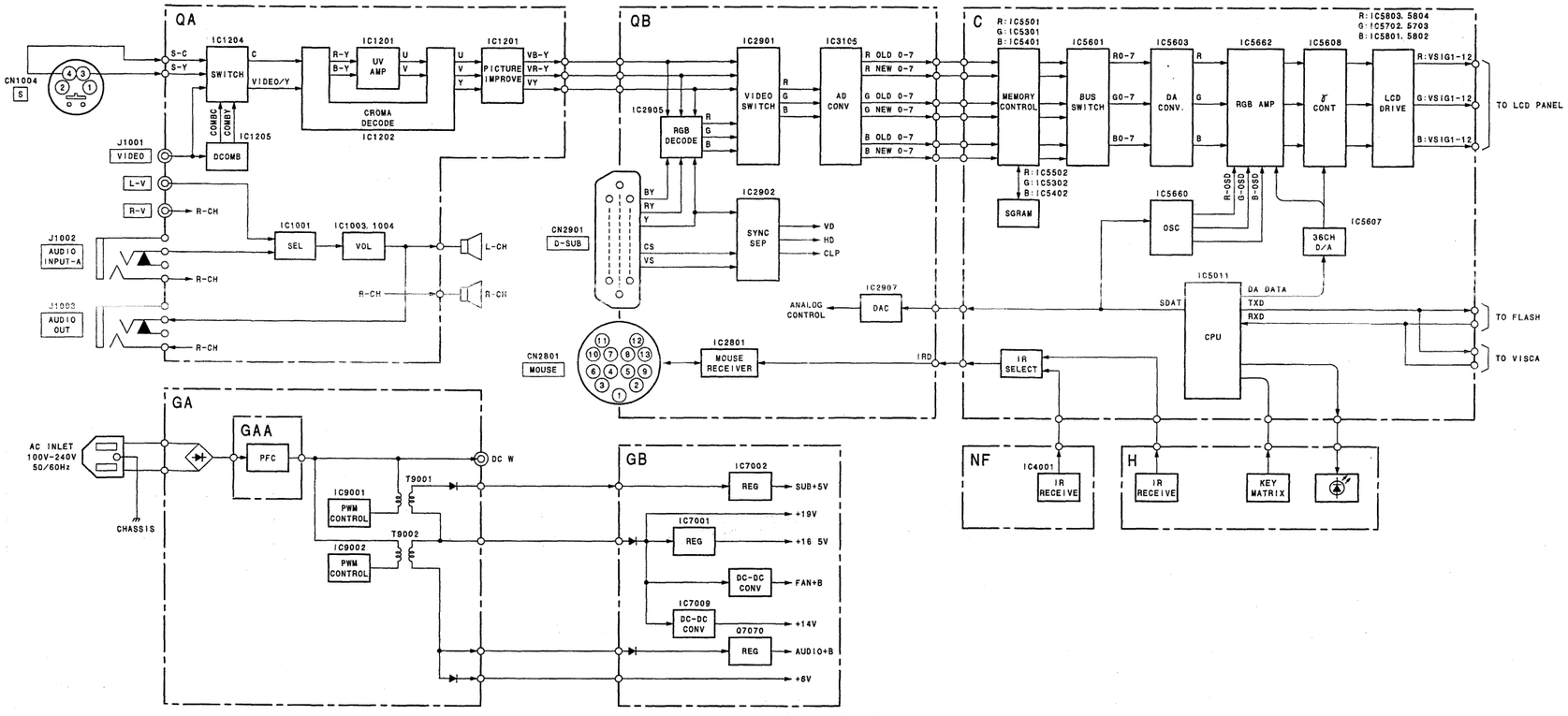
	1-504-688-11	SPEAKER (3.6cm)
	1-763-101-21	FAN, DC
	1-763-172-11	FAN, DC
	1-763-173-11	FAN, DC
	1-763-279-11	FAN, DC
⚠	1-785-843-22	INLET, AC3P (WITH NOISE FILTER) (100V – 240V)

****

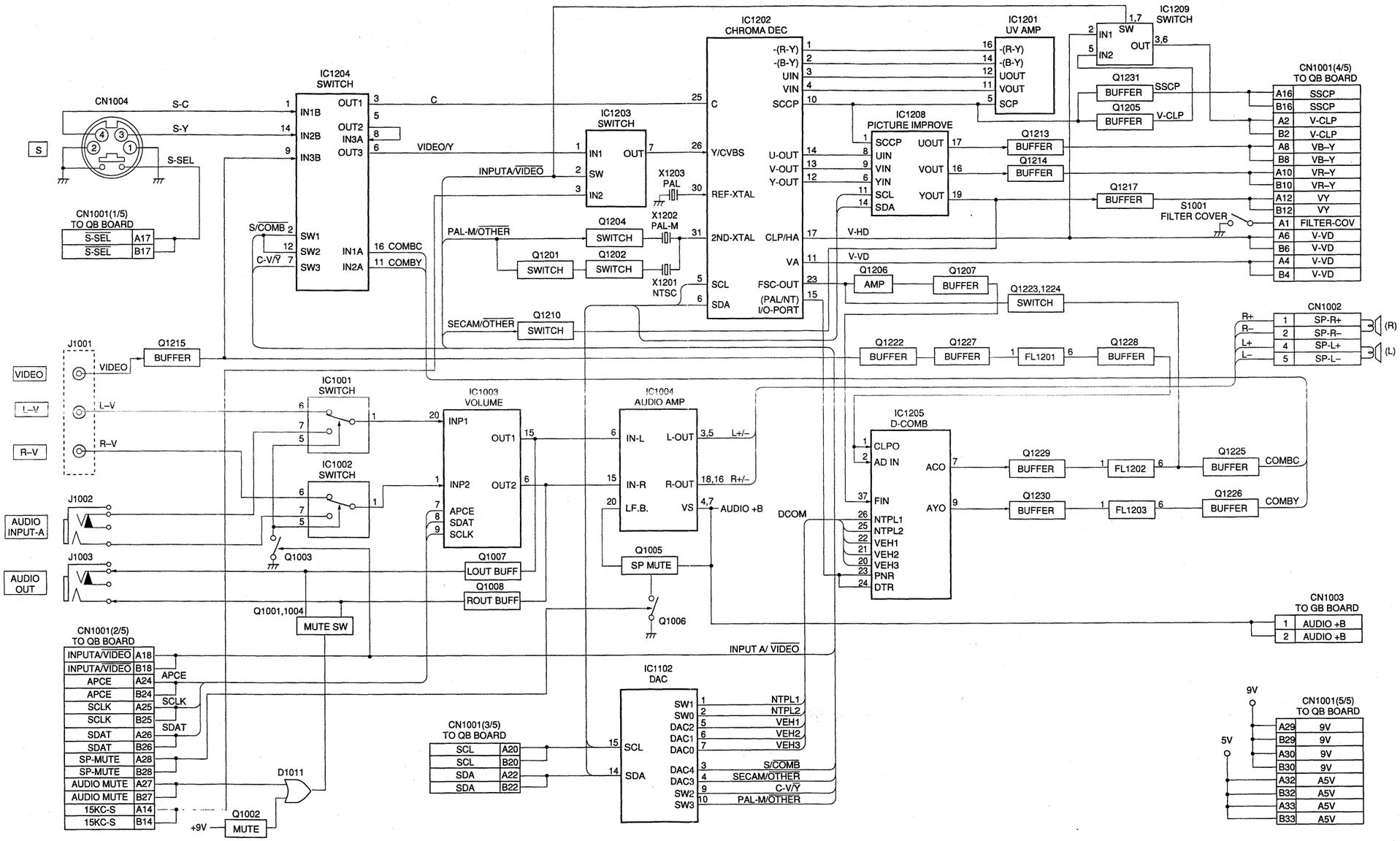
ACCESSORY
****

⚠	1-534-827-14	CORD, POWER (7A/125V)
⚠	1-777-649-11	CORD, POWER (10A/250V)
⚠	1-782-929-11	CORD, POWER SUPPLY (BS 3P) (10A/250V)
	1-475-735-51	REMOTE COMMANDER (RM-PJM600)
	9-880-535-01	BATTERY COVER (For RM-PJM600)
	1-575-334-11	CORD, CONNECTION
	1-791-545-11	CABLE ASSY (15PDSUB X2)
	3-867-700-01	QUICK REFERENCE CARD (ENGLISH/FRENCH/SPANISH/GERMAN/ ITALIAN/CHINESE)
	3-867-701-11	OPERATING INSTRUCTIONS (ENGLISH, FRENCH, SPANISH)
	3-867-701-21	OPERATING INSTRUCTIONS (GERMAN, ITALIAN)
	4-066-191-02	FILTER

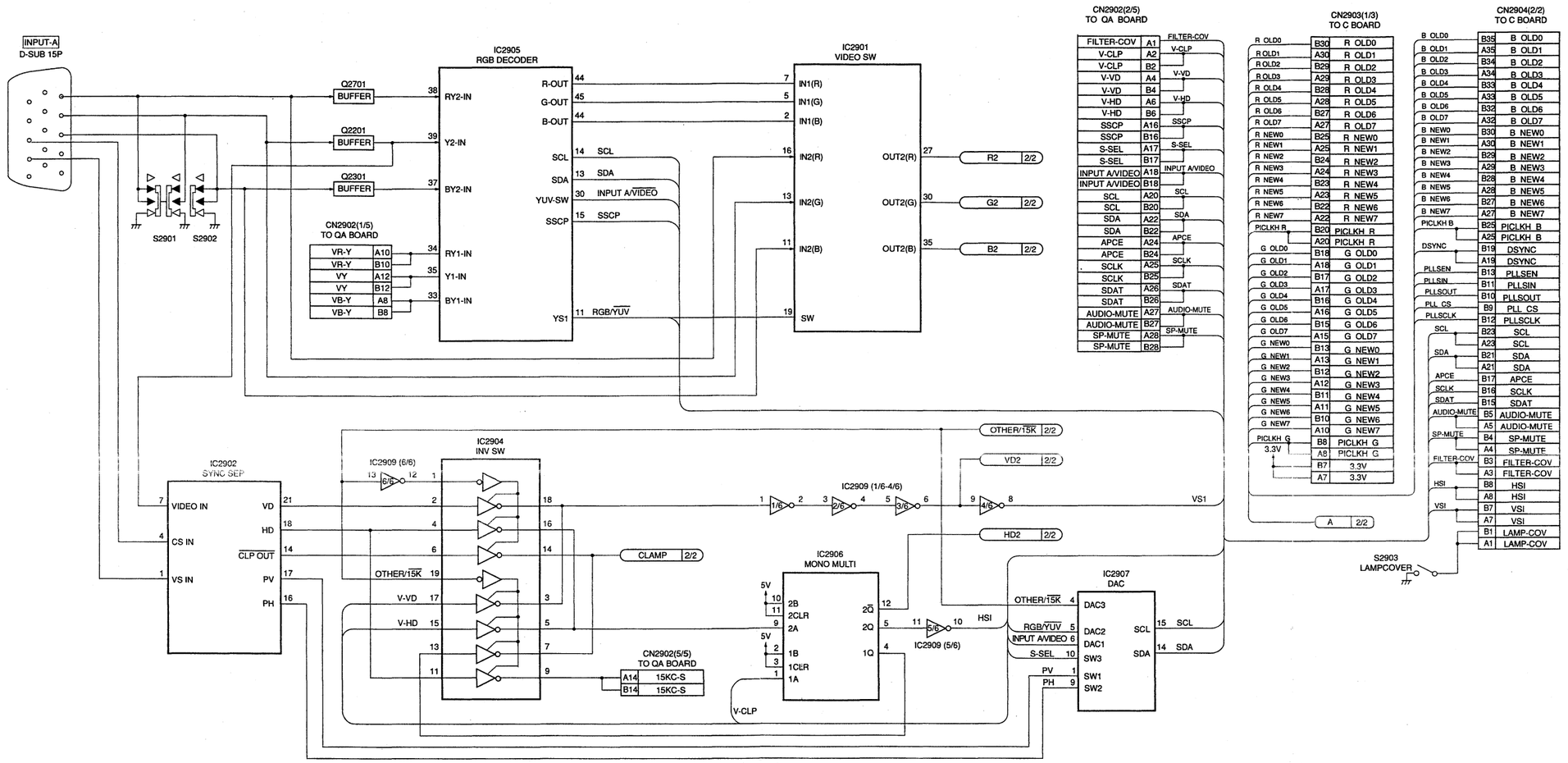
Section 7
Block Diagrams

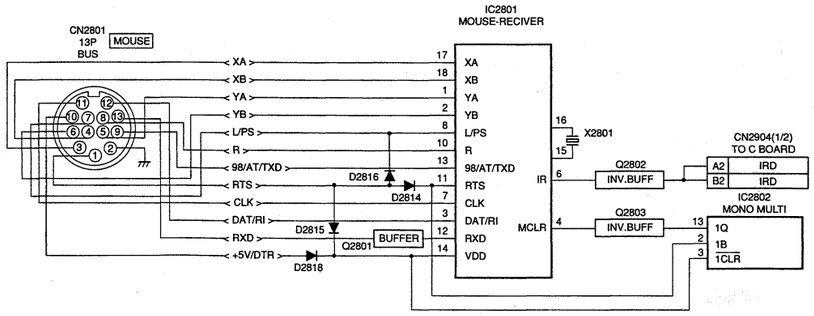


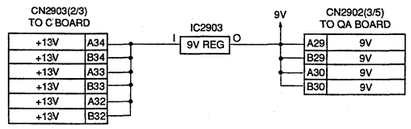
OVERALL BLOCK

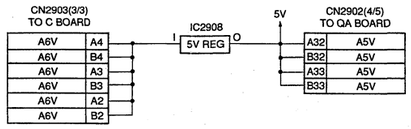

IC1202
CHROMA DEC
IC1201
UV AMP
IC1209
SWITCH
IC1204
SWITCH
IC1203
SWITCH
IC1208
PICTURE IMPROVE
CN1004
S-C
S-Y
S-SEL
S
CN1001(1/5)
TO QB BOARD
S-SEL A17
S-SEL B17
S/COMB
C-V/Y
C
VIDEO/Y
INPUTA/VIDEO
X1203
PAL
X1202
PAL-M
X1201
NTSC
PAL-M/OTHER
SECAM/OTHER
Q1204 SWITCH
Q1201 SWITCH
Q1202 SWITCH
Q1210 SWITCH
Q1213 BUFFER
Q1214 BUFFER
Q1217 BUFFER
Q1231 BUFFER
Q1205 BUFFER
SSCP
V-CLP
S1001
FILTER COVER
CN1001(4/5)
TO QB BOARD
A16 SSCP
B16 SSCP
A2 V-CLP
B2 V-CLP
A8 VB–Y
B8 VB–Y
A10 VR–Y
B10 VR–Y
A12 VY
B12 VY
A1 FILTER-COV
A6 V-VD
B6 V-VD
A4 V-VD
B4 V-VD
V-HD
V-VD
Q1206 AMP
Q1207 BUFFER
Q1223,1224 SWITCH
Q1222 BUFFER
Q1227 BUFFER
FL1201
Q1228 BUFFER
CN1002
R+ 1 SP-R+ (R)
R– 2 SP-R–
L+ 4 SP-L+ (L)
L– 5 SP-L–
J1001
VIDEO
L–V
R–V
Q1215 BUFFER
IC1001
SWITCH
IC1002
SWITCH
IC1003
VOLUME
IC1004
AUDIO AMP
IC1205
D-COMB
Q1229 BUFFER
FL1202
Q1225 BUFFER
COMBC
Q1230 BUFFER
FL1203
Q1226 BUFFER
COMBY
DCOM
J1002
AUDIO INPUT-A
J1003
AUDIO OUT
Q1003
Q1007 LOUT BUFF
Q1008 ROUT BUFF
Q1001,1004
MUTE SW
Q1005 SP MUTE
Q1006
AUDIO +B
CN1003
TO GB BOARD
1 AUDIO +B
2 AUDIO +B
INPUT A/ VIDEO
CN1001(2/5)
TO QB BOARD
INPUTA/VIDEO A18
INPUTA/VIDEO B18
APCE A24
APCE B24
SCLK A25
SCLK B25
SDAT A26
SDAT B26
SP-MUTE A28
SP-MUTE B28
AUDIO MUTE A27
AUDIO MUTE B27
15KC-S A14
15KC-S B14
APCE
SCLK
SDAT
D1011
Q1002 MUTE
+9V
CN1001(3/5)
TO QB BOARD
SCL A20
SCL B20
SDA A22
SDA B22
IC1102
DAC
NTPL1
NTPL2
VEH1
VEH2
VEH3
S/COMB
SECAM/OTHER
C-V/Y
PAL-M/OTHER
9V
5V
CN1001(5/5)
TO QB BOARD
A29 9V
B29 9V
A30 9V
B30 9V
A32 A5V
B32 A5V
A33 A5V
B33 A5V

QA BLOCK

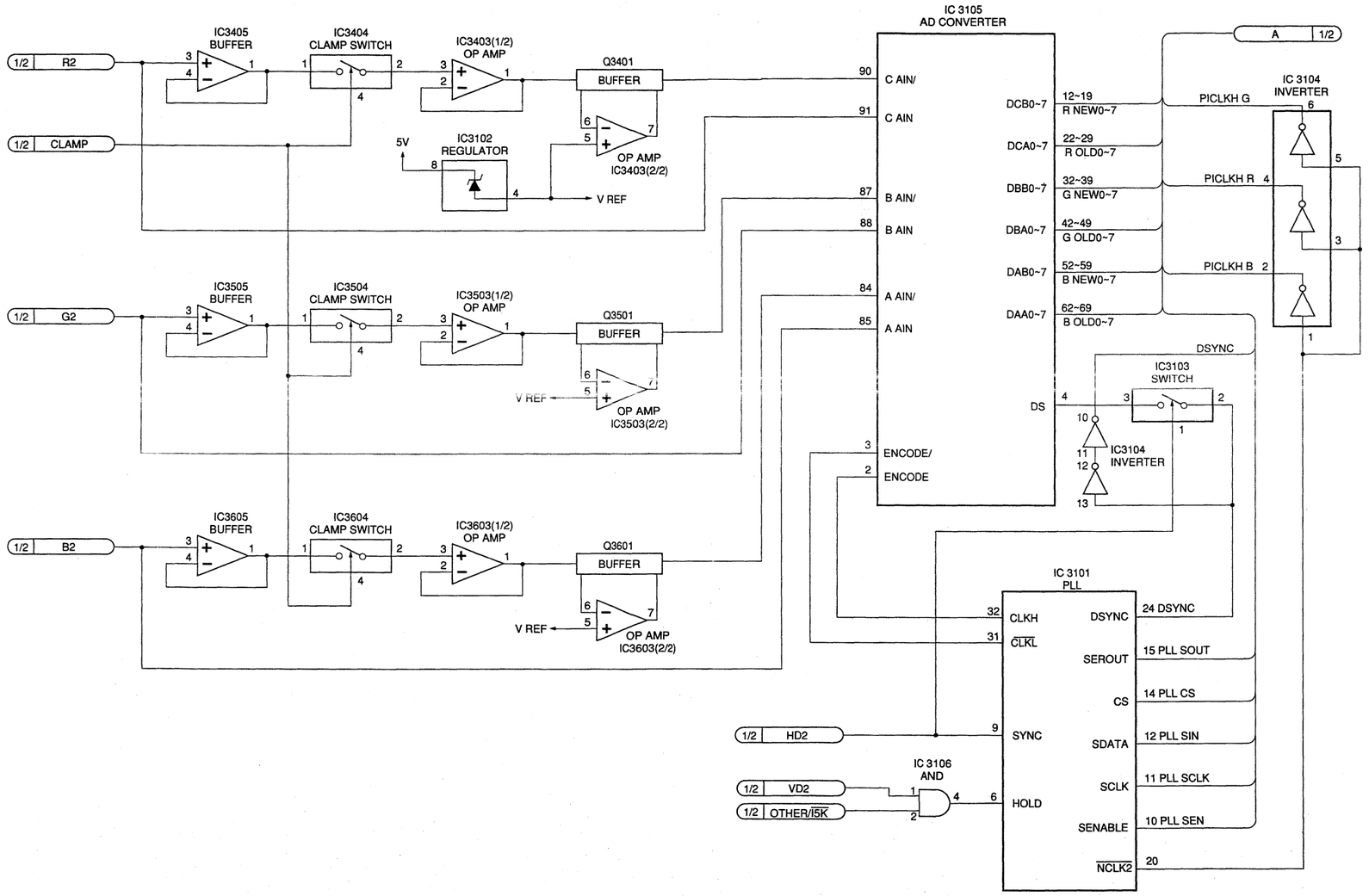

INPUT-A
D-SUB 15P
S2901
S2902
Q2701
BUFFER
Q2201
BUFFER
Q2301
BUFFER
IC2905
RGB DECODER
RY2-IN
Y2-IN
BY2-IN
R-OUT
G-OUT
B-OUT
SCL
SDA
YUV-SW
SSCP
YS1
RY1-IN
Y1-IN
BY1-IN
CN2902(1/5)
TO QA BOARD
VR-Y A10
VR-Y B10
VY A12
VY B12
VB-Y A8
VB-Y B8
IC2901
VIDEO SW
IN1(R)
IN1(G)
IN1(B)
IN2(R)
IN2(G)
IN2(B)
SW
OUT2(R)
OUT2(G)
OUT2(B)
R2 2/2
G2 2/2
B2 2/2
CN2902(2/5)
TO QA BOARD
FILTER-COV A1
V-CLP A2
V-CLP B2
V-VD A4
V-VD B4
V-HD A6
V-HD B6
SSCP A16
SSCP B16
S-SEL A17
S-SEL B17
INPUT A/VIDEO A18
INPUT A/VIDEO B18
SCL A20
SCL B20
SDA A22
SDA B22
APCE A24
APCE B24
SCLK A25
SCLK B25
SDAT A26
SDAT B26
AUDIO-MUTE A27
AUDIO-MUTE B27
SP-MUTE A28
SP-MUTE B28
CN2903(1/3)
TO C BOARD
R OLD0 B30
R OLD1 A30
R OLD2 B29
R OLD3 A29
R OLD4 B28
R OLD5 A28
R OLD6 B27
R OLD7 A27
R NEW0 B25
R NEW1 A25
R NEW2 B24
R NEW3 A24
R NEW4 B23
R NEW5 A23
R NEW6 B22
R NEW7 A22
PICLKH R B20
PICLKH R A20
G OLD0 B18
G OLD1 A18
G OLD2 B17
G OLD3 A17
G OLD4 B16
G OLD5 A16
G OLD6 B15
G OLD7 A15
G NEW0 B13
G NEW1 A13
G NEW2 B12
G NEW3 A12
G NEW4 B11
G NEW5 A11
G NEW6 B10
G NEW7 A10
PICLKH G B8
PICLKH G A8
3.3V B7
3.3V A7
A 2/2
CN2904(2/2)
TO C BOARD
B OLD0 B35
B OLD1 A35
B OLD2 B34
B OLD3 A34
B OLD4 B33
B OLD5 A33
B OLD6 B32
B OLD7 A32
B NEW0 B30
B NEW1 A30
B NEW2 B29
B NEW3 A29
B NEW4 B28
B NEW5 A28
B NEW6 B27
B NEW7 A27
PICLKH B B25
PICLKH B A25
DSYNC B19
DSYNC A19
PLLSEN B13
PLLSIN B11
PLLSOUT B10
PLL CS B9
PLLSCLK B12
SCL B23
SCL A23
SDA B21
SDA A21
APCE B17
SCLK B16
SDAT B15
AUDIO-MUTE B5
AUDIO-MUTE A5
SP-MUTE B4
SP-MUTE A4
FILTER-COV B3
FILTER-COV A3
HSI B8
HSI A8
VSI B7
VSI A7
LAMP-COV B1
LAMP-COV A1
S2903
LAMPCOVER
IC2902
SYNC SEP
VIDEO IN
CS IN
VS IN
VD
HD
CLP OUT
PV
PH
IC2904
INV SW
IC2909 (6/6)
OTHER/15K
V-VD
V-HD
CLAMP 2/2
CN2902(5/5)
TO QA BOARD
15KC-S A14
15KC-S B14
IC2909 (1/6-4/6)
OTHER/15K 2/2
VD2 2/2
HD2 2/2
VS1
IC2906
MONO MULTI
IC2909 (5/6)
HSI
V-CLP
IC2907
DAC
OTHER/15K
RGB/YUV
INPUT A/VIDEO
S-SEL
PV
PH
DAC3
DAC2
DAC1
SW3
SW1
SW2
SCL
SDA


CN2801
13P
BUS
MOUSE
IC2801
MOUSE-RECIVER
XA
XB
YA
YB
L/PS
R
98/AT/TXD
RTS
CLK
DAT/RI
RXD
+5V/DTR
D2816
D2814
D2815
D2818
Q2801
BUFFER
X2801
Q2802
INV.BUFF
Q2803
INV.BUFF
IR
MCLR
CN2904(1/2)
TO C BOARD
IRD A2
IRD B2
IC2802
MONO MULTI
1Q
1B
1CLR

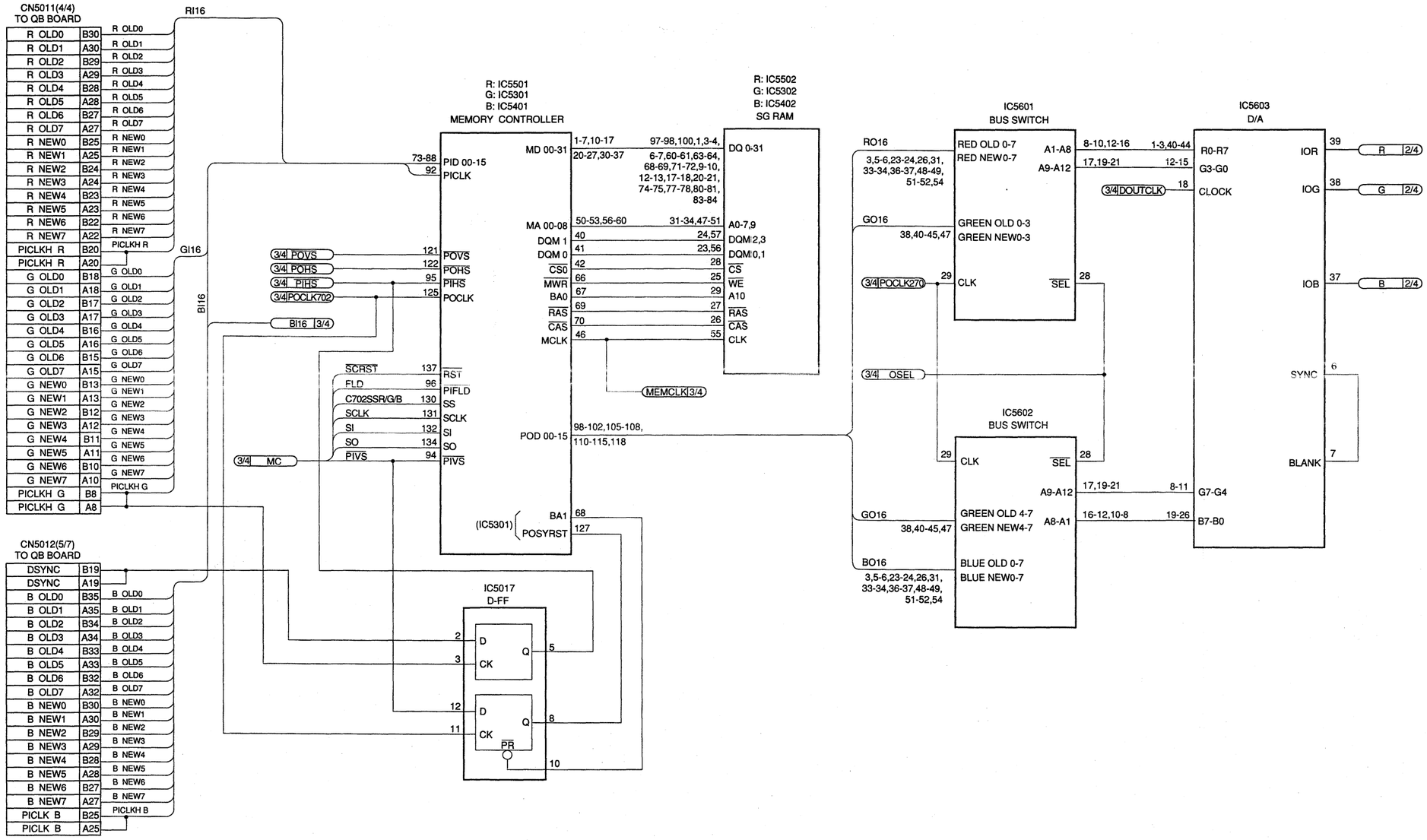

CN2903(2/3)
TO C BOARD
+13V A34
+13V B34
+13V A33
+13V B33
+13V A32
+13V B32
IC2903
9V REG
9V
CN2902(3/5)
TO QA BOARD
A29 9V
B29 9V
A30 9V
B30 9V


CN2903(3/3)
TO C BOARD
A6V A4
A6V B4
A6V A3
A6V B3
A6V A2
A6V B2
IC2908
5V REG
5V
CN2902(4/5)
TO QA BOARD
A32 A5V
B32 A5V
A33 A5V
B33 A5V

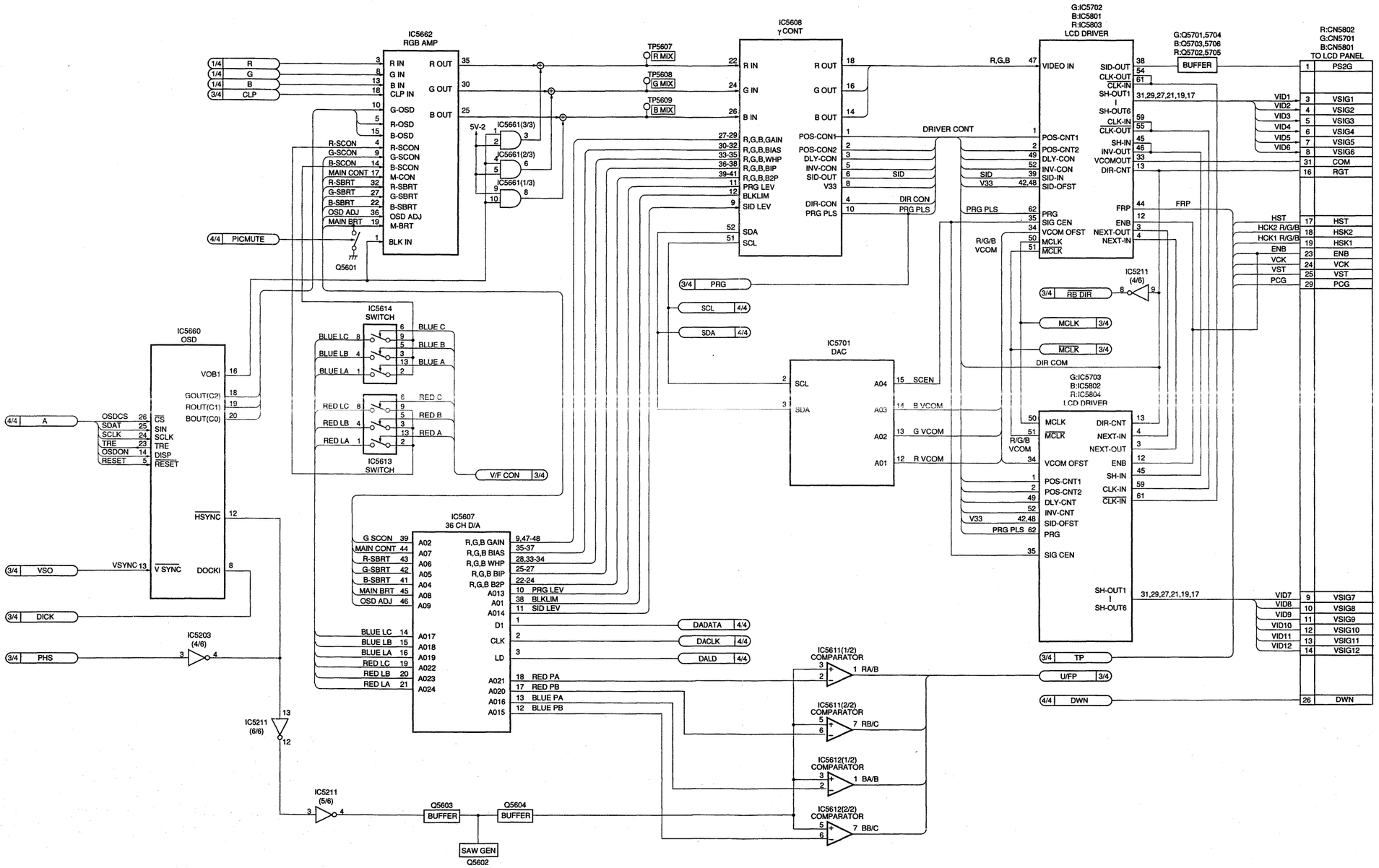
QB BLOCK (1/2)


IC3405 BUFFER
IC3404 CLAMP SWITCH
IC3403(1/2) OP AMP
Q3401 BUFFER
OP AMP IC3403(2/2)
IC3102 REGULATOR
5V
V REF
1/2 R2
1/2 CLAMP
IC3505 BUFFER
IC3504 CLAMP SWITCH
IC3503(1/2) OP AMP
Q3501 BUFFER
OP AMP IC3503(2/2)
1/2 G2
IC3605 BUFFER
IC3604 CLAMP SWITCH
IC3603(1/2) OP AMP
Q3601 BUFFER
OP AMP IC3603(2/2)
1/2 B2
IC 3105 AD CONVERTER
C AIN/
C AIN
B AIN/
B AIN
A AIN/
A AIN
ENCODE/
ENCODE
DCB0~7
DCA0~7
DBB0~7
DBA0~7
DAB0~7
DAA0~7
12~19 R NEW0~7
22~29 R OLD0~7
32~39 G NEW0~7
42~49 G OLD0~7
52~59 B NEW0~7
62~69 B OLD0~7
A 1/2
PICLKH G
PICLKH R
PICLKH B
IC 3104 INVERTER
DSYNC
IC3103 SWITCH
DS
IC3104 INVERTER
IC 3101 PLL
CLKH
CLKL
SYNC
HOLD
DSYNC
SEROUT
CS
SDATA
SCLK
SENABLE
NCLK2
24 DSYNC
15 PLL SOUT
14 PLL CS
12 PLL SIN
11 PLL SCLK
10 PLL SEN
20
1/2 HD2
IC 3106 AND
1/2 VD2
1/2 OTHER/I5K

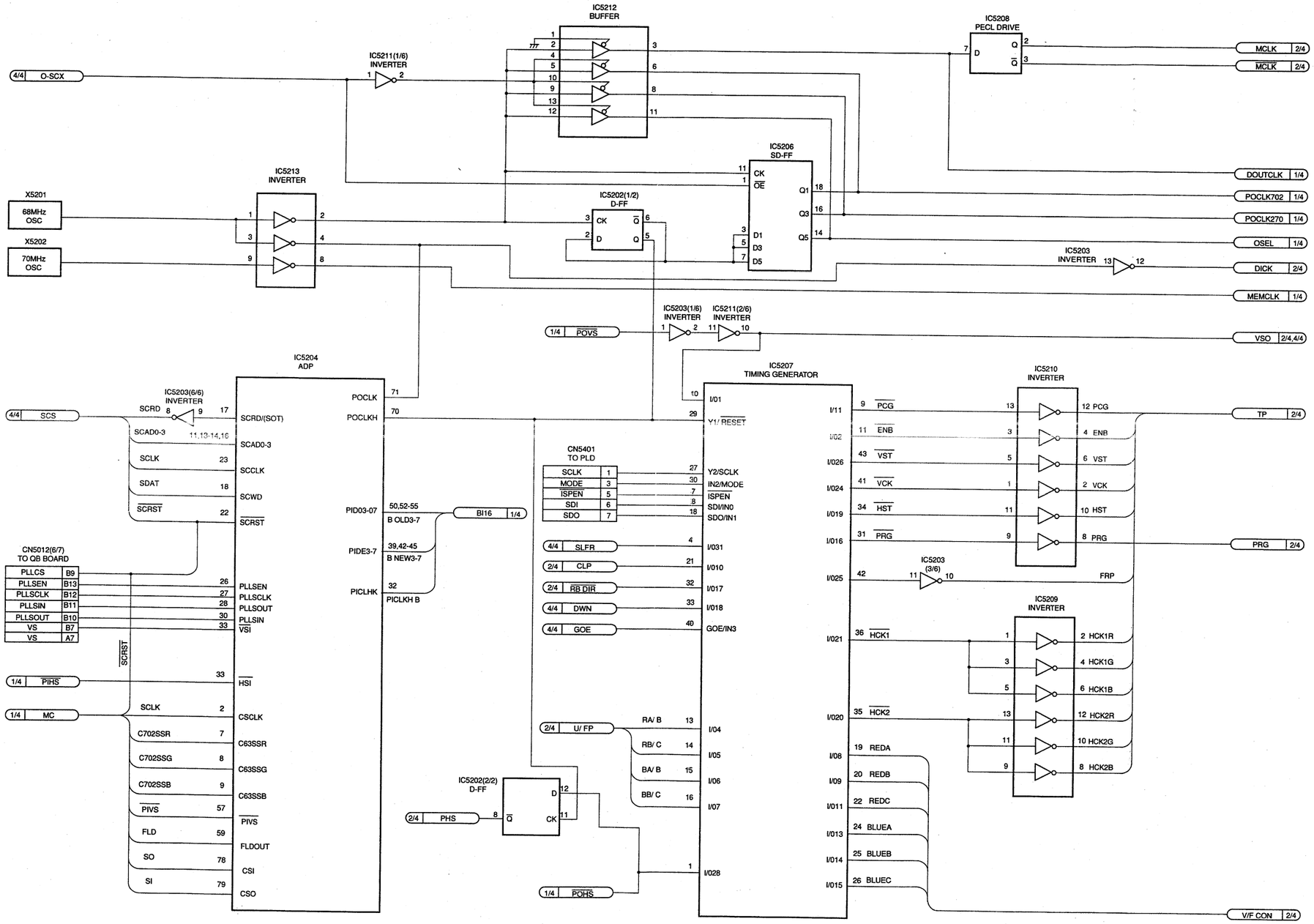
QB BLOCK (2/2)


CN5011(4/4)
TO QB BOARD
R OLD0 B30
R OLD1 A30
R OLD2 B29
R OLD3 A29
R OLD4 B28
R OLD5 A28
R OLD6 B27
R OLD7 A27
R NEW0 B25
R NEW1 A25
R NEW2 B24
R NEW3 A24
R NEW4 B23
R NEW5 A23
R NEW6 B22
R NEW7 A22
PICLKH R B20
PICLKH R A20
G OLD0 B18
G OLD1 A18
G OLD2 B17
G OLD3 A17
G OLD4 B16
G OLD5 A16
G OLD6 B15
G OLD7 A15
G NEW0 B13
G NEW1 A13
G NEW2 B12
G NEW3 A12
G NEW4 B11
G NEW5 A11
G NEW6 B10
G NEW7 A10
PICLKH G B8
PICLKH G A8
RI16
GI16
BI16
BI16 3/4
CN5012(5/7)
TO QB BOARD
DSYNC B19
DSYNC A19
B OLD0 B35
B OLD1 A35
B OLD2 B34
B OLD3 A34
B OLD4 B33
B OLD5 A33
B OLD6 B32
B OLD7 A32
B NEW0 B30
B NEW1 A30
B NEW2 B29
B NEW3 A29
B NEW4 B28
B NEW5 A28
B NEW6 B27
B NEW7 A27
PICLKH B B25
PICLKH B A25
R: IC5501
G: IC5301
B: IC5401
MEMORY CONTROLLER
73-88 PID 00-15
92 PICLK
3/4 POVS 121 POVS
3/4 POHS 122 POHS
3/4 PIHS 95 PIHS
3/4 POCLK702 125 POCLK
SCRST 137 RST
FLD 96 PIFLD
C702SSR/G/B 130 SS
SCLK 131 SCLK
SI 132 SI
SO 134 SO
PIVS 94 PIVS
3/4 MC
MD 00-31
1-7,10-17
20-27,30-37
97-98,100,1-3-4,
6-7,60-61,63-64,
68-69,71-72,9-10,
12-13,17-18,20-21,
74-75,77-78,80-81,
83-84
MA 00-08 50-53,56-60 31-34,47-51 A0-7,9
DQM 1 40 24,57 DQM2,3
DQM 0 41 23,56 DQM0,1
CS0 42 28 CS
MWR 66 25 WE
BA0 67 29 A10
RAS 69 27 RAS
CAS 70 26 CAS
MCLK 46 55 CLK
MEMCLK 3/4
98-102,105-108,
110-115,118
POD 00-15
(IC5301) BA1 68
POSYRST 127
R: IC5502
G: IC5302
B: IC5402
SG RAM
DQ 0-31
IC5017
D-FF
D CK Q PR
2 3 5
12 11 8
10
IC5601
BUS SWITCH
RO16
3,5-6,23-24,26,31,
33-34,36-37,48-49,
51-52,54
GO16
38,40-45,47
BO16
3,5-6,23-24,26,31,
33-34,36-37,48-49,
51-52,54
RED OLD 0-7
RED NEW0-7
GREEN OLD 0-3
GREEN NEW0-3
GREEN OLD 4-7
GREEN NEW4-7
BLUE OLD 0-7
BLUE NEW0-7
A1-A8 8-10,12-16 1-3,40-44
A9-A12 17,19-21 12-15
A8-A1 16-12,10-8 19-26
3/4 POCLK270 29 CLK
SEL 28
3/4 OSEL
IC5602
BUS SWITCH
29 CLK
SEL 28
A9-A12 17,19-21 8-11
A8-A1 16-12,10-8 19-26
IC5603
D/A
R0-R7 IOR 39 R 2/4
G3-G0
3/4 DOUTCLK 18 CLOCK
IOG 38 G 2/4
IOB 37 B 2/4
SYNC 6
BLANK 7
G7-G4
B7-B0

C BLOCK (1/4)

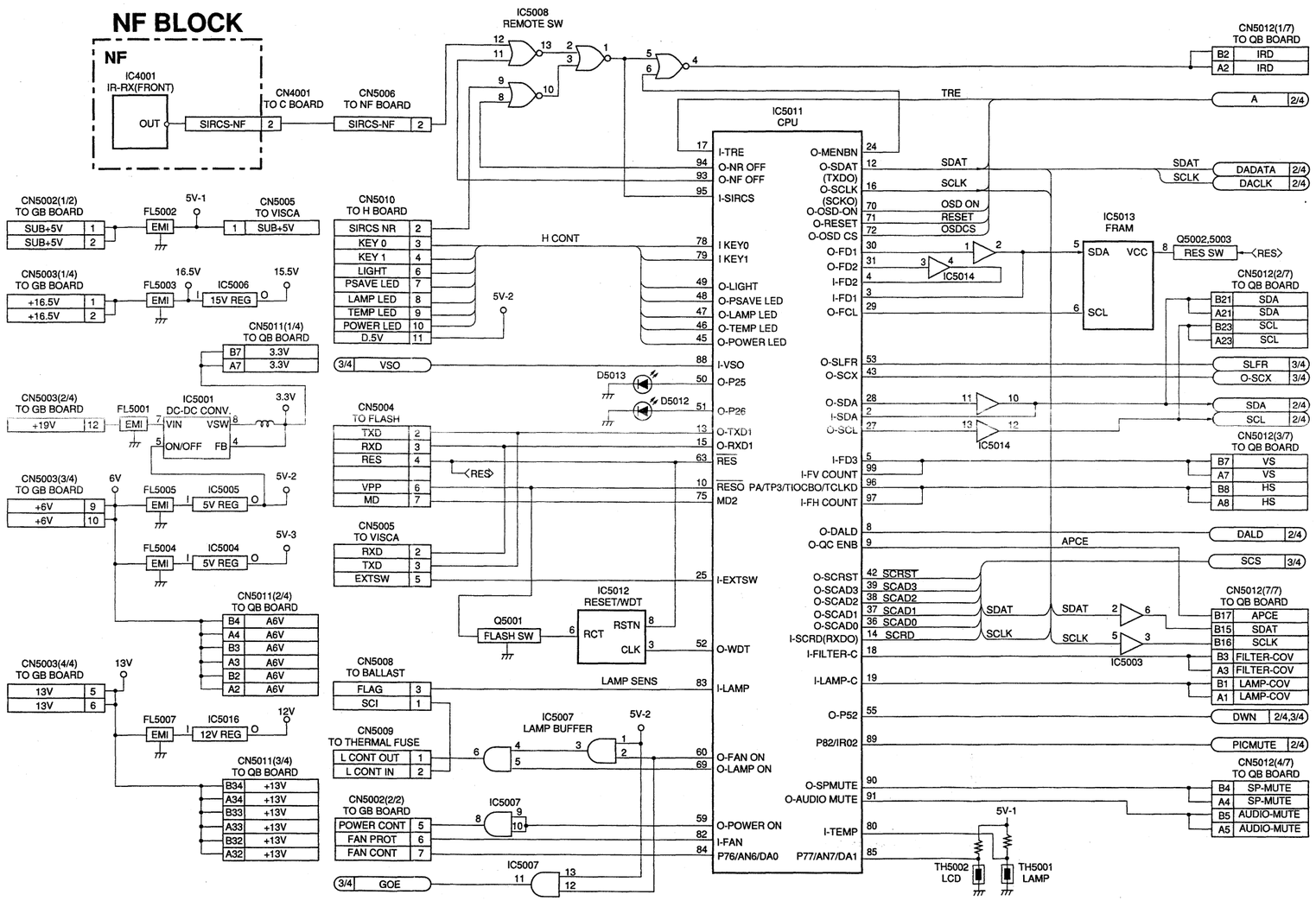

IC5662
RGB AMP
R IN
G IN
B IN
CLP IN
R OUT
G OUT
B OUT
G-OSD
R-OSD
B-OSD
R-SCON
G-SCON
B-SCON
M-CON
R-SBRT
G-SBRT
B-SBRT
OSD ADJ
M-BRT
BLK IN
R-SCON
G-SCON
B-SCON
MAIN CONT
R-SBRT
G-SBRT
B-SBRT
OSD ADJ
MAIN BRT
PICMUTE
Q5601
IC5661(3/3)
IC5661(2/3)
IC5661(1/3)
5V-2
TP5607
R MIX
TP5608
G MIX
TP5609
B MIX
IC5608
γ CONT
R,G,B,GAIN
R,G,B,BIAS
R,G,B,WHP
R,G,B,BIP
R,G,B,B2P
PRG LEV
BLKLIM
SID LEV
SDA
SCL
POS-CON1
POS-CON2
DLY-CON
INV-CON
SID-OUT
V33
DIR-CON
PRG PLS
DRIVER CONT
SID
DIR CON
PRG
SCL
SDA
G:IC5702
B:IC5801
R:IC5803
LCD DRIVER
VIDEO IN
SID-OUT
CLK-OUT
CLK-IN
SH-OUT1
SH-OUT6
CLK-IN
CLK-OUT
SH-IN
INV-OUT
VCOMOUT
DIR-CNT
POS-CNT1
POS-CNT2
DLY-CON
INV-CON
SID-IN
SID-OFST
PRG
SIG CEN
VCOM OFST
MCLK
NEXT-OUT
NEXT-IN
FRP
ENB
R,G,B
R/G/B VCOM
G:Q5701,5704
B:Q5703,5706
R:Q5702,5705
BUFFER
R:CN5802
G:CN5701
B:CN5801
TO LCD PANEL
PS2G
VSIG1
VSIG2
VSIG3
VSIG4
VSIG5
VSIG6
COM
RGT
HST
HSK2
HSK1
ENB
VCK
VST
PCG
VID1
VID2
VID3
VID4
VID5
VID6
VID7
VID8
VID9
VID10
VID11
VID12
VSIG7
VSIG8
VSIG9
VSIG10
VSIG11
VSIG12
DWN
IC5211
(4/6)
RB DIR
MCLK
DIR COM
IC5701
DAC
SCEN
R VCOM
G VCOM
B VCOM
G:IC5703
B:IC5802
R:IC5804
LCD DRIVER
IC5660
OSD
VOB1
GOUT(C2)
ROUT(C1)
BOUT(C0)
HSYNC
VSYNC
DOCKI
OSDCS
SDAT
SCLK
TRE
OSDON
RESET
CS
SIN
SCLK
TRE
DISP
RESET
A
VSO
DICK
PHS
IC5614
SWITCH
IC5613
SWITCH
BLUE LC
BLUE LB
BLUE LA
BLUE C
BLUE B
BLUE A
RED LC
RED LB
RED LA
RED C
RED B
RED A
V/F CON
IC5607
36 CH D/A
G SCON
MAIN CONT
R-SBRT
G-SBRT
B-SBRT
MAIN BRT
OSD ADJ
R,G,B GAIN
R,G,B BIAS
R,G,B WHP
R,G,B BIP
R,G,B B2P
PRG LEV
BLKLIM
SID LEV
DADATA
DACLK
DALD
RED PA
RED PB
BLUE PA
BLUE PB
IC5203
(4/6)
IC5211
(6/6)
IC5211
(5/6)
Q5603
BUFFER
Q5604
BUFFER
SAW GEN
Q5602
IC5611(1/2)
COMPARATOR
RA/B
IC5611(2/2)
COMPARATOR
RB/C
IC5612(1/2)
COMPARATOR
BA/B
IC5612(2/2)
COMPARATOR
BB/C
TP
U/FP
DWN

C BLOCK (2/4)

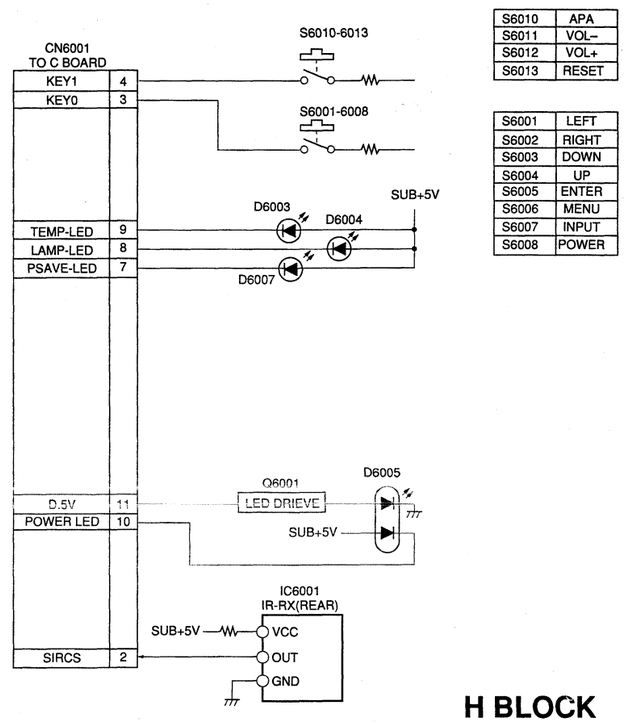

IC5212 BUFFER
IC5211(1/6) INVERTER
IC5208 PECL DRIVE
4/4 O-SCX
MCLK 2/4
MCLK 2/4
IC5206 SD-FF
IC5213 INVERTER
X5201
68MHz OSC
X5202
70MHz OSC
IC5202(1/2) D-FF
DOUTCLK 1/4
POCLK702 1/4
POCLK270 1/4
OSEL 1/4
IC5203 INVERTER
DICK 2/4
MEMCLK 1/4
IC5203(1/6) INVERTER
IC5211(2/6) INVERTER
1/4 POVS
VSO 2/4,4/4
IC5204 ADP
IC5207 TIMING GENERATOR
IC5210 INVERTER
IC5203(6/6) INVERTER
4/4 SCS
SCRD/(SOT)
SCAD0-3
SCCLK
SCWD
SCRST
POCLK
POCLKH
PID03-07
PIDE3-7
PICLHK
50,52-55
B OLD3-7
39,42-45
B NEW3-7
PICLKH B
BI16 1/4
CN5401 TO PLD
SCLK
MODE
ISPEN
SDI
SDO
Y2/SCLK
IN2/MODE
ISPEN
SDI/IN0
SDO/IN1
4/4 SLFR
2/4 CLP
2/4 RB DIR
4/4 DWN
4/4 GOE
I/031
I/010
I/017
I/018
GOE/IN3
I/01
Y1/ RESET
I/11
I/02
I/026
I/024
I/019
I/016
I/025
I/021
I/020
I/08
I/09
I/011
I/013
I/014
I/015
PCG
ENB
VST
VCK
HST
PRG
FRP
HCK1
HCK2
REDA
REDB
REDC
BLUEA
BLUEB
BLUEC
TP 2/4
PRG 2/4
V/F CON 2/4
IC5203 (3/6)
IC5209 INVERTER
HCK1R
HCK1G
HCK1B
HCK2R
HCK2G
HCK2B
CN5012(6/7) TO QB BOARD
PLLCS B9
PLLSEN B13
PLLSCLK B12
PLLSIN B11
PLLSOUT B10
VS B7
VS A7
PLLSEN
PLLSCLK
PLLSOUT
PLLSIN
VSI
SCRST
1/4 PIHS
HSI
1/4 MC
SCLK
CSCLK
C702SSR
C63SSR
C702SSG
C63SSG
C702SSB
C63SSB
PIVS
FLD
FLDOUT
SO
CSI
SI
CSO
IC5202(2/2) D-FF
2/4 PHS
2/4 U/ FP
RA/ B
RB/ C
BA/ B
BB/ C
1/4 POHS

C BLOCK (3/4)

NF BLOCK



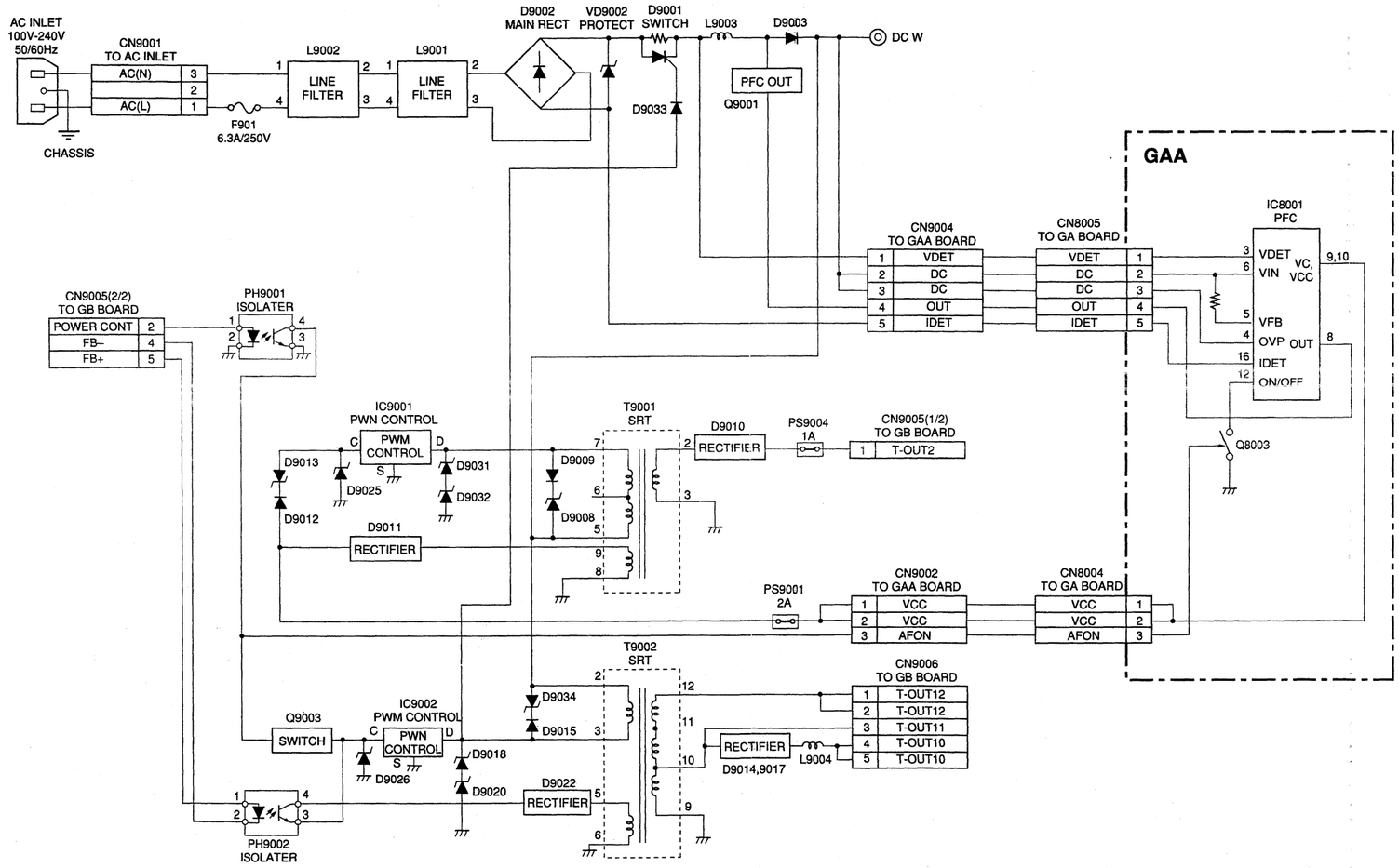
C BLOCK (4/4)



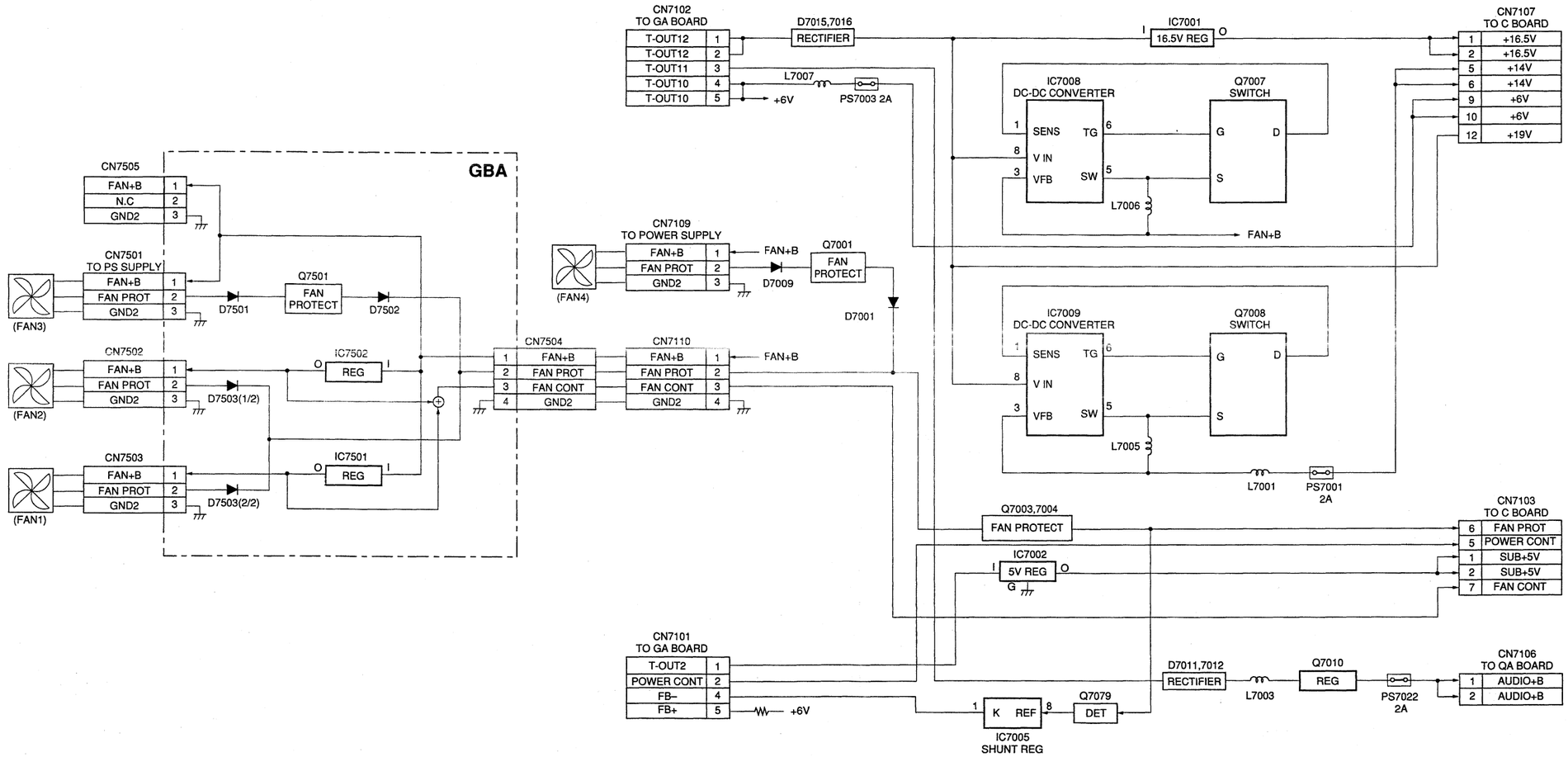
S6010	APA
S6011	VOL–
S6012	VOL+
S6013	RESET

S6001	LEFT
S6002	RIGHT
S6003	DOWN
S6004	UP
S6005	ENTER
S6006	MENU
S6007	INPUT
S6008	POWER

H BLOCK


AC INLET
100V-240V
50/60Hz
CHASSIS
CN9001
TO AC INLET
AC(N) 3
2
AC(L) 1
F901
6.3A/250V
L9002
LINE FILTER
L9001
LINE FILTER
D9002
MAIN RECT
VD9002
PROTECT
D9001
SWITCH
L9003
D9003
DC W
PFC OUT
Q9001
D9033
GAA
CN9004
TO GAA BOARD
1 VDET
2 DC
3 DC
4 OUT
5 IDET
CN8005
TO GA BOARD
VDET 1
DC 2
DC 3
OUT 4
IDET 5
IC8001
PFC
VDET
VIN
VC, VCC
9,10
VFB
OVP
OUT
8
IDET
ON/OFF
Q8003
CN9005(2/2)
TO GB BOARD
POWER CONT 2
FB– 4
FB+ 5
PH9001
ISOLATER
IC9001
PWN CONTROL
PWM CONTROL
D9013
D9025
D9012
D9031
D9032
D9011
RECTIFIER
T9001
SRT
D9009
D9008
D9010
RECTIFIER
PS9004
1A
CN9005(1/2)
TO GB BOARD
1 T-OUT2
PS9001
2A
CN9002
TO GAA BOARD
1 VCC
2 VCC
3 AFON
CN8004
TO GA BOARD
VCC 1
VCC 2
AFON 3
T9002
SRT
Q9003
SWITCH
IC9002
PWM CONTROL
D9026
D9034
D9015
D9018
D9020
D9022
RECTIFIER
RECTIFIER
D9014,9017
L9004
CN9006
TO GB BOARD
1 T-OUT12
2 T-OUT12
3 T-OUT11
4 T-OUT10
5 T-OUT10
PH9002
ISOLATER

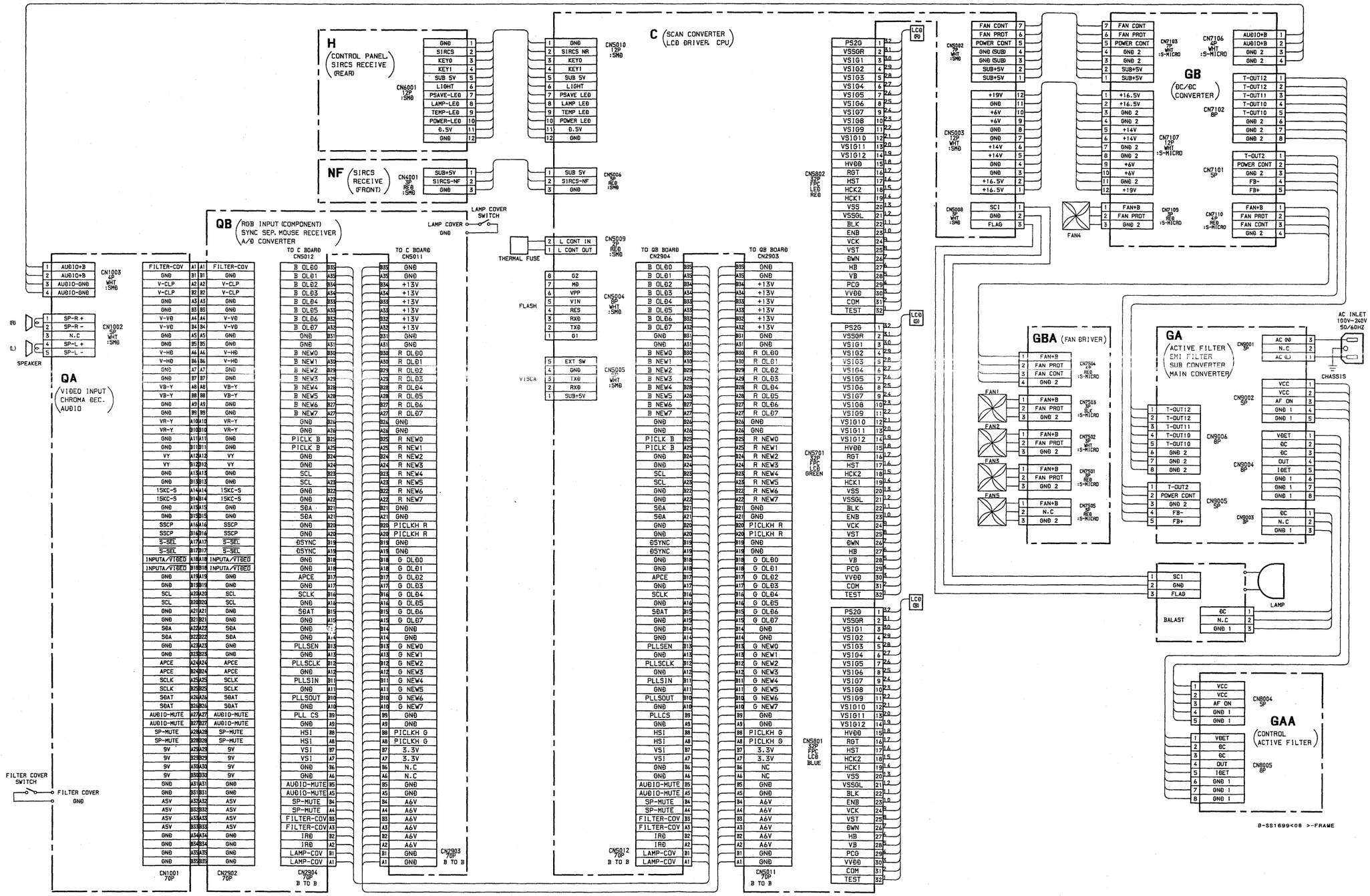
GA, GAA BLOCK


GBA
CN7505
FAN+B 1
N.C 2
GND2 3
CN7501
TO PS SUPPLY
FAN+B 1
FAN PROT 2
GND2 3
(FAN3)
D7501
Q7501
FAN PROTECT
D7502
CN7502
FAN+B 1
FAN PROT 2
GND2 3
(FAN2)
D7503(1/2)
IC7502
REG
CN7503
FAN+B 1
FAN PROT 2
GND2 3
(FAN1)
D7503(2/2)
IC7501
REG
CN7504
1 FAN+B
2 FAN PROT
3 FAN CONT
4 GND2
CN7110
FAN+B 1
FAN PROT 2
FAN CONT 3
GND2 4
FAN+B
CN7109
TO POWER SUPPLY
FAN+B 1
FAN PROT 2
GND2 3
(FAN4)
FAN+B
D7009
Q7001
FAN PROTECT
D7001
CN7102
TO GA BOARD
T-OUT12 1
T-OUT12 2
T-OUT11 3
T-OUT10 4
T-OUT10 5
D7015,7016
RECTIFIER
L7007
+6V
PS7003 2A
IC7001
16.5V REG
I
O
CN7107
TO C BOARD
1 +16.5V
2 +16.5V
5 +14V
6 +14V
9 +6V
10 +6V
12 +19V
IC7008
DC-DC CONVERTER
1 SENS
8 V IN
3 VFB
TG 6
SW 5
Q7007
SWITCH
G
D
S
L7006
FAN+B
IC7009
DC-DC CONVERTER
1 SENS
8 V IN
3 VFB
TG 6
SW 5
Q7008
SWITCH
G
D
S
L7005
L7001
PS7001
2A
Q7003,7004
FAN PROTECT
IC7002
5V REG
I
O
G
CN7103
TO C BOARD
6 FAN PROT
5 POWER CONT
1 SUB+5V
2 SUB+5V
7 FAN CONT
CN7101
TO GA BOARD
T-OUT2 1
POWER CONT 2
FB– 4
FB+ 5
+6V
1 K REF 8
Q7079
DET
IC7005
SHUNT REG
D7011,7012
RECTIFIER
L7003
Q7010
REG
PS7022
2A
CN7106
TO QA BOARD
1 AUDIO+B
2 AUDIO+B

GB BLOCK

Section 8
Diagrams

8-1. FRAME SCHEMATIC DIAGRAM



VPL-PX1

8-1 8-1

SP01122 / Druck 11

8-2. Schematic Diagrams and Printed Wiring Boards

Note:

- The parts marked " # " on schematic diagrams are not mounted.
- All capacitors are in µF unless otherwise noted. pF: µµF 50WV or less are not indicated except for electrolytics.
- All electrolytics are in 50 V unless otherwise specified.
- : fusible resistor
- : nonflammable resistor
- : panel designation and adjustment for repair
- Caution when replacing chip parts
  New parts must be attached after removal of the chip.
  Be careful not to heat the minus side of a tantalum capacitor, because it is easily damaged by the heat.

Reference information

RESISTOR	RN	: METAL FILM
	RC	: SOLID
	FPRD	: NONFLAMMABLE CARBON
	FUSE	: NONFLAMMABLE FUSIBLE
	RS	: NONFLAMMABLE METAL OXIDE
	RB	: NONFLAMMABLE CEMENT
	RW	: NONFLAMMABLE WIREWOUND
		: ADJUSTMENT RESISTOR
COIL	LF-8L ※	: MICRO INDUCTOR
CAPACITOR	TA	: TANTALUM
	PS	: STYROL
	PP	: POLYPROPYLENE
	PT	: MYLAR
	MPS	: METALIZED POLYESTER
	MPP	: METALIZED POLYPROPYLENE
	ALB	: BIPOLAR
	ALT	: HIGH TEMPERATURE
	ALR	: HIGH RIPPLE

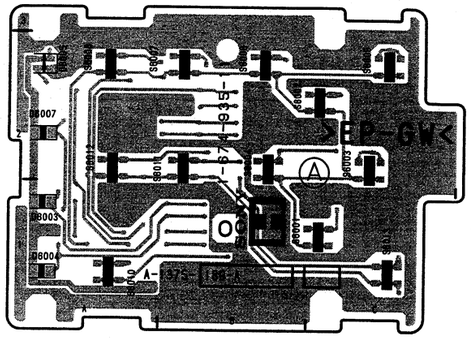
[Measuring conditions, voltage and waveform]

- A voltage value is the reference value between the measurement point and the earth, when the NTSC color bar signal is received from the color bar generator (digital multi-meter used: 10 M ohms/V DC).
- A voltage value is the reference value between the measurement point and the earth, when the NTSC color bar signal and RGB color bar signal are received from the color bar generator (digital multi-meter used: 10 M ohms/V DC).
- Unit of voltage is V (volt).
- : B+line
  : B– line
- Voltage variations may occur due to normal production tolerances.
- No mark : NTSC (3.58 MHz) color bar signal.
- [ ] : RGB color bar signal is received.
- Circled numbers indicate the reference waveform.
- : Signal path.

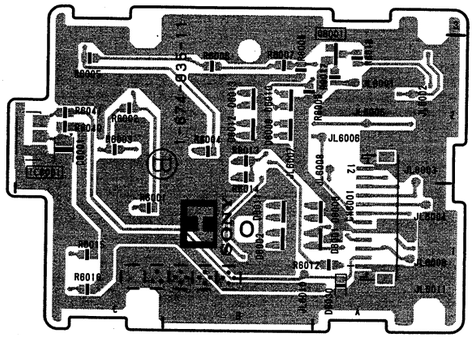
The components identified marked ⚠ are critical for safety.
Replace only with the part number specified.

Les composants identifiés par la marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

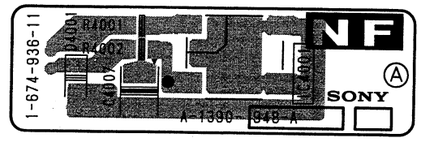
SP01122 / Druck 12



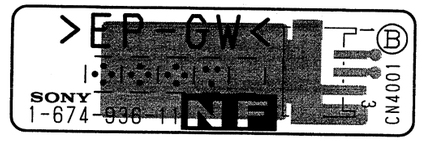
H –A SIDE–
SUFFIX : -11



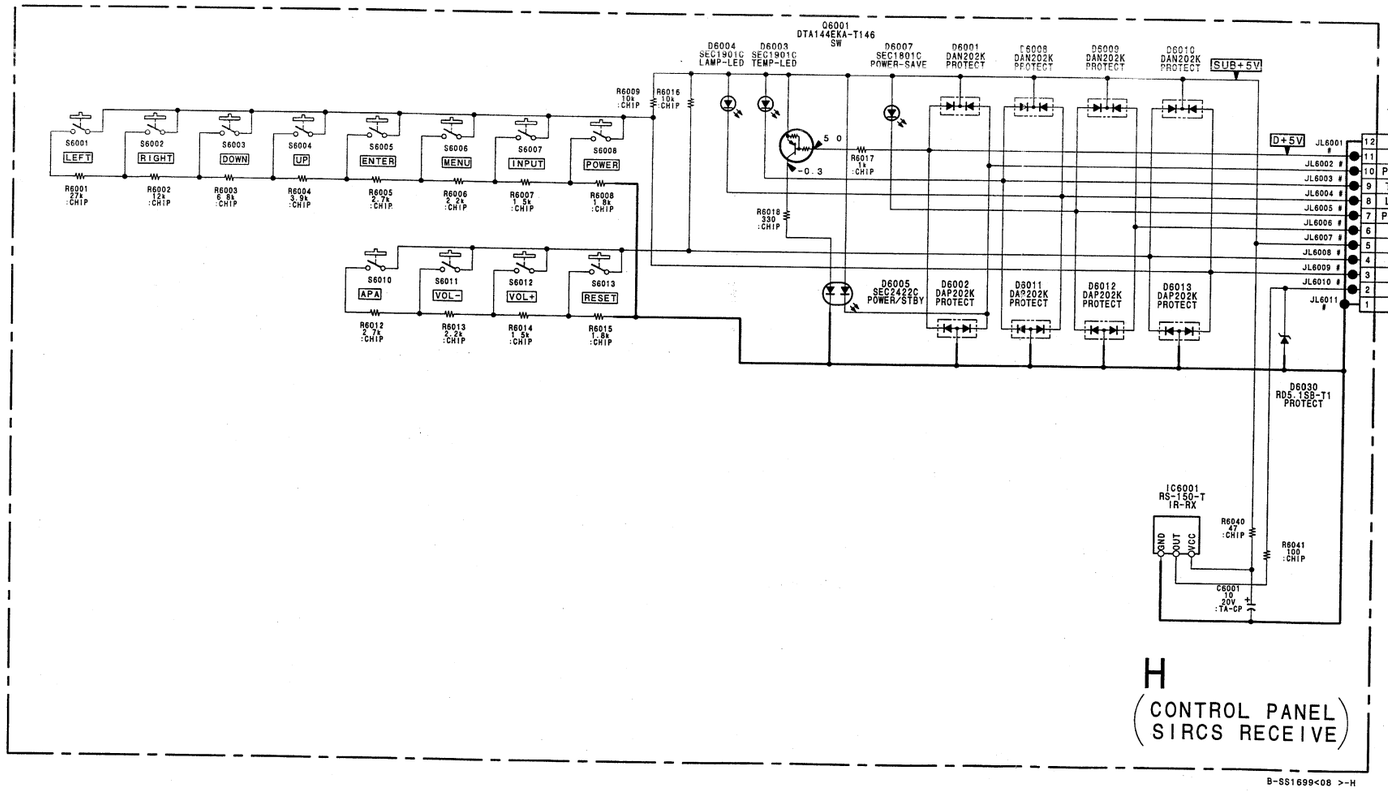
H –B SIDE–
SUFFIX : -11

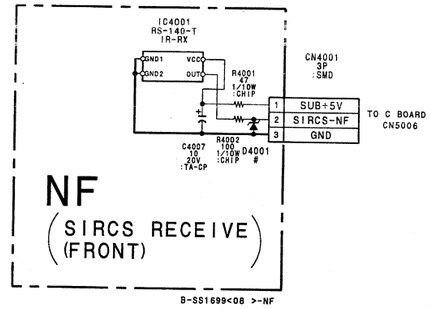


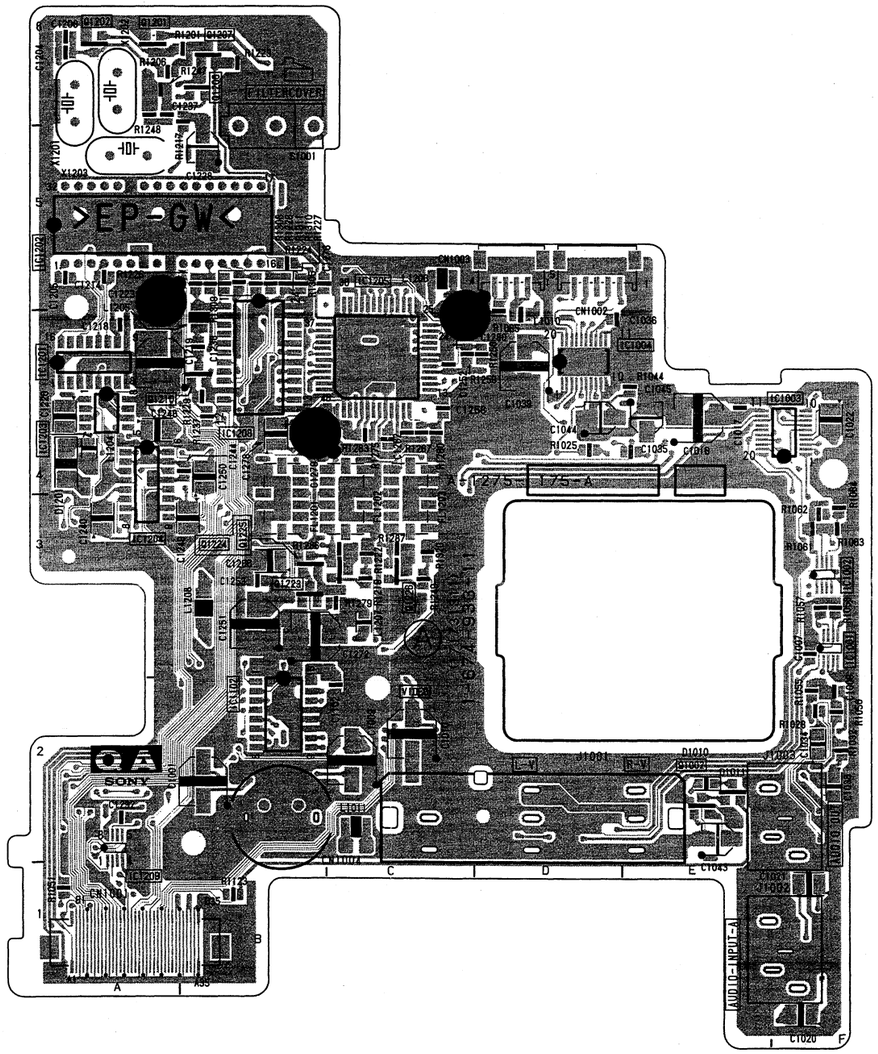
NF –A SIDE–
SUFFIX : -11

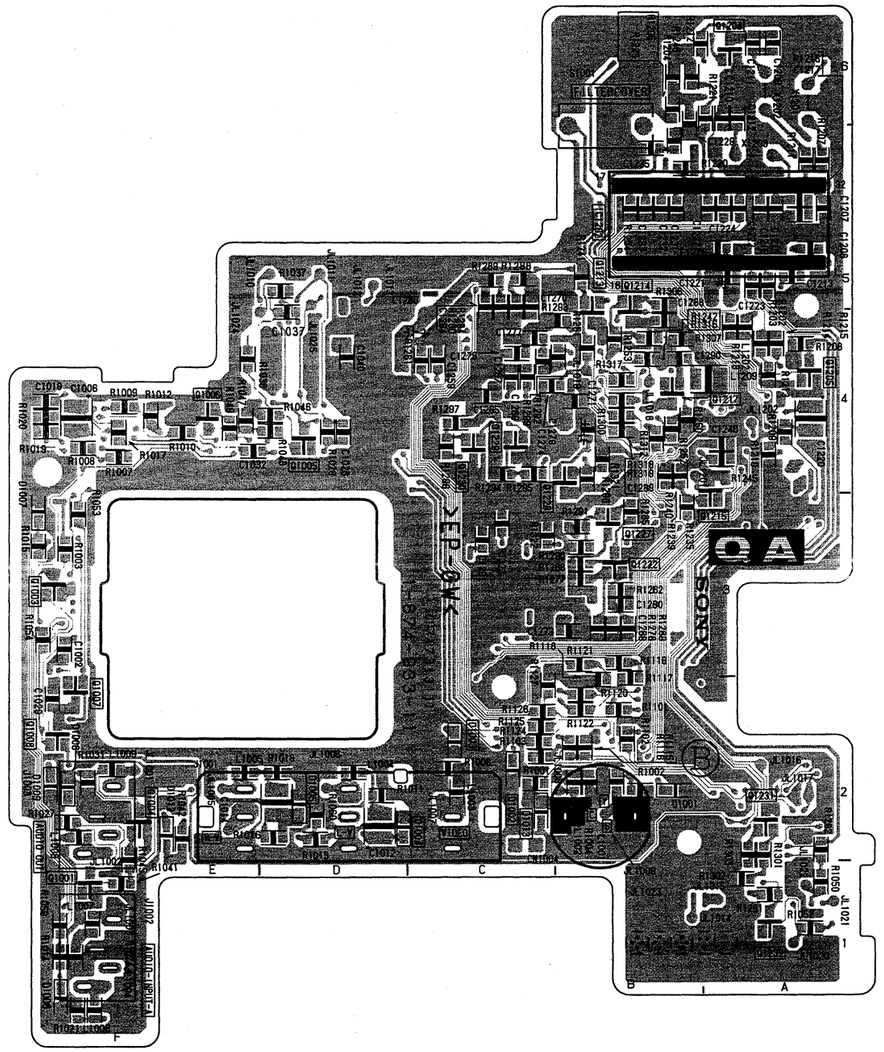


NF –B SIDE–
SUFFIX : -11









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QA
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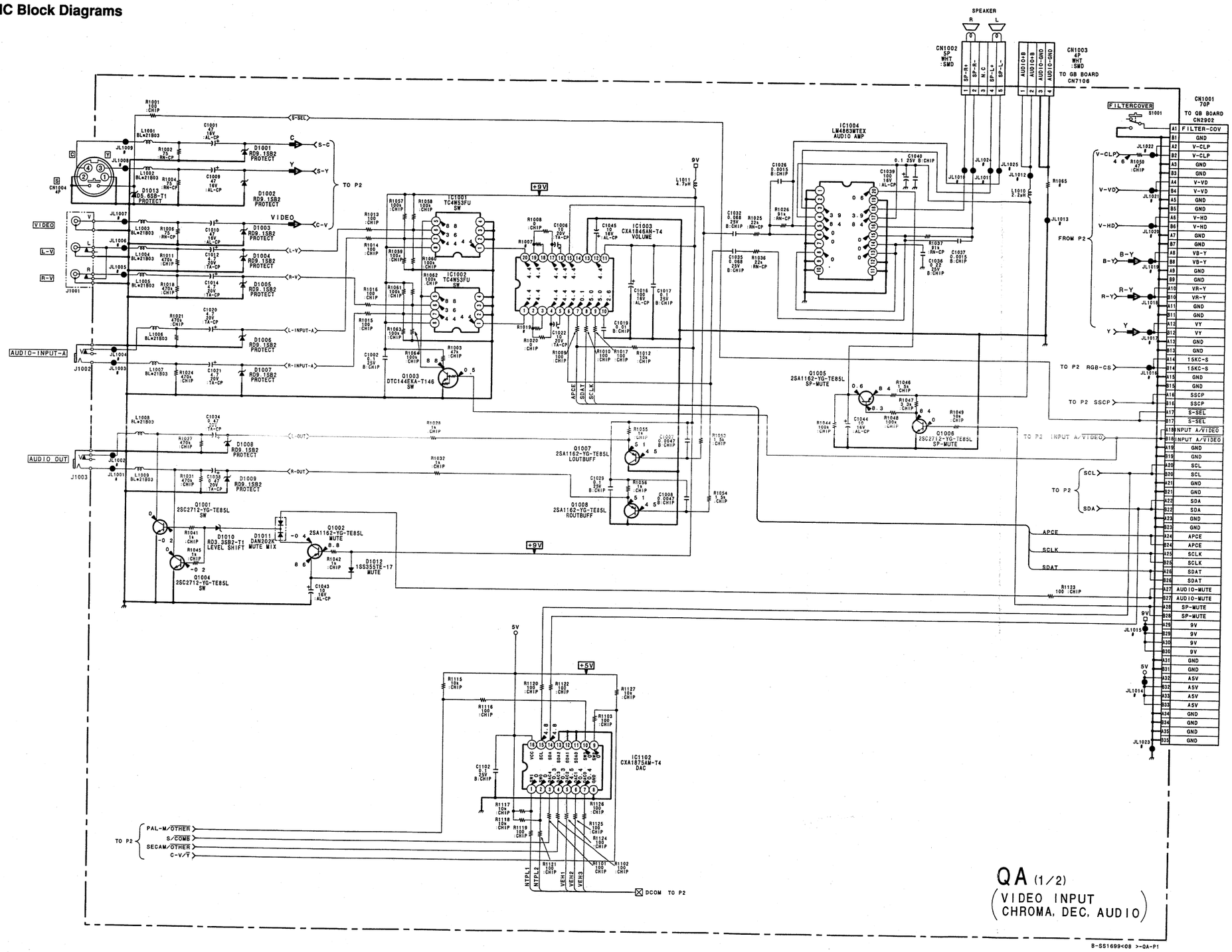
1-674-933-11

IC1001	F-3	Q1004	*E-2	Q1222	*B-3
IC1002	F-3	Q1005	*D-4	Q1223	B-3
IC1003	F-4	Q1006	*E-4	Q1224	B-3
IC1004	E-4	Q1007	*F-2	Q1225	B-3
IC1102	B-2	Q1008	*F-2	Q1226	C-3
IC1201	A-4	Q1201	A-6	Q1227	*B-3
IC1202	A-5	Q1202	A-6	Q1228	*C-4
IC1203	A-4	Q1204	*A-6	Q1229	*C-4
IC1204	A-3	Q1205	*A-4	Q1230	*C-4
IC1205	C-5	Q1206	B-6	Q1231	*A-2
IC1208	B-4	Q1207	B-6	Q1232	*A-1
IC1209	A-1	Q1210	A-4		
		Q1213	*B-5	*:B Side mount	
Q1001	*F-1	Q1214	*B-5		
Q1002	E-2	Q1215	*A-3		
Q1003	*F-3	Q1217	*A-4		

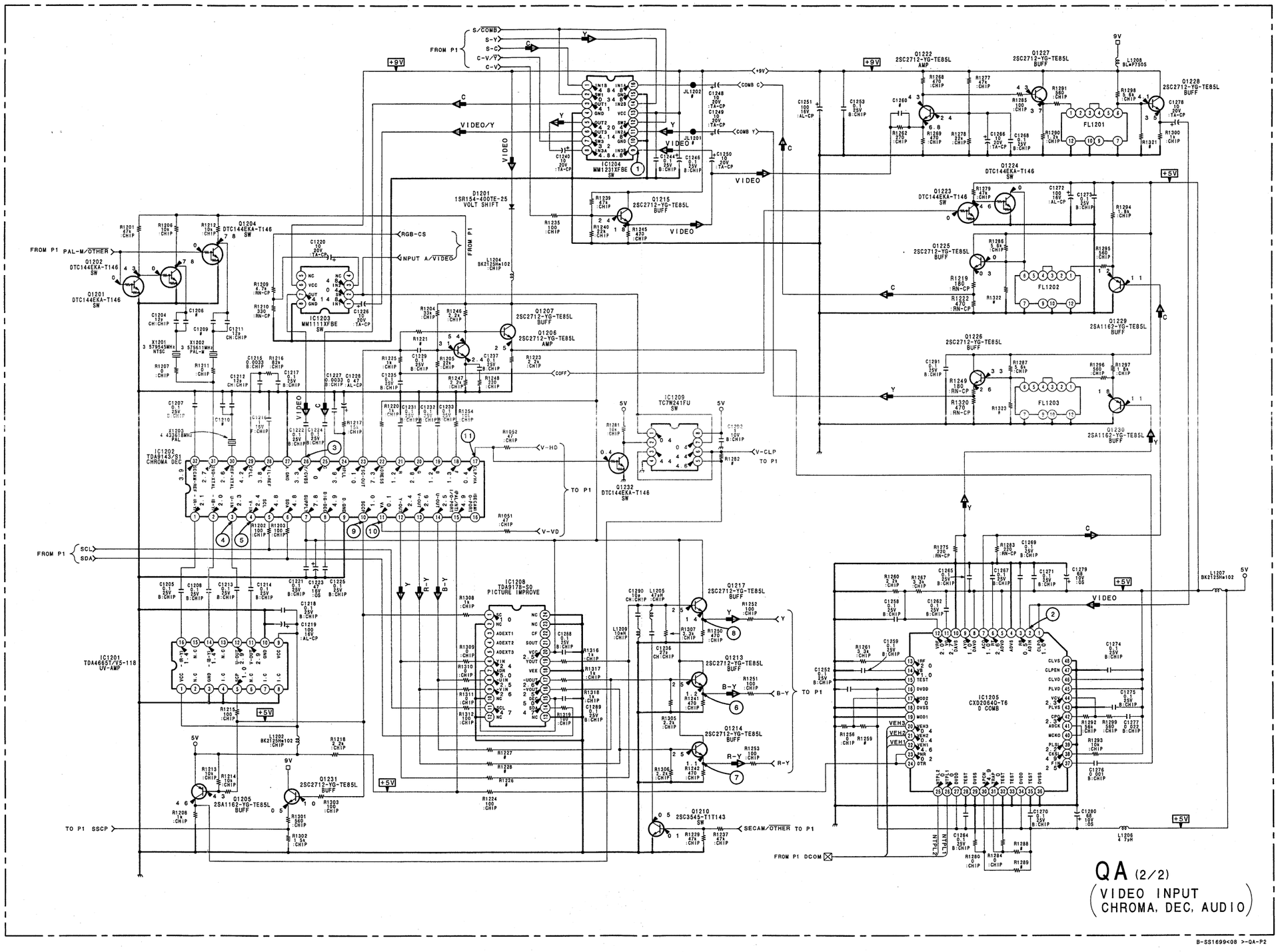
QA –A SIDE–
SUFFIX : -11

QA –B SIDE–
SUFFIX : -11

- **Refer to page 8-4 for Printed Wiring Board**
- **Refer to page 8-7 for Waveforms**
- **Refer to page 8-7 for IC Block Diagrams**



- Refer to page 8-4 for Printed Wiring Board
- Refer to page 8-7 for Waveforms
- Refer to page 8-7 for IC Block Diagrams

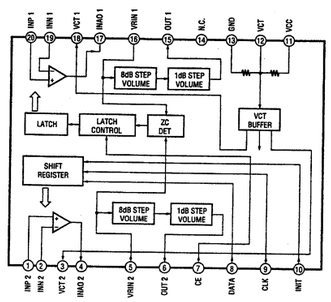


QA Board Waveforms

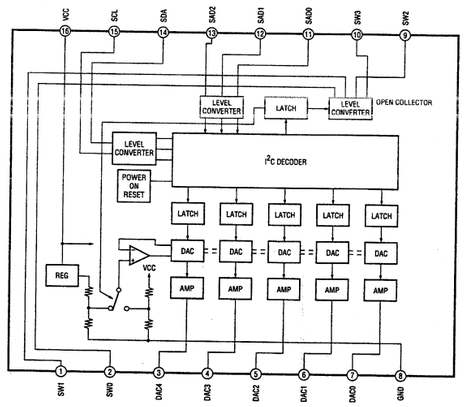
① 1.0Vp-p (H) VIDEO	② 1.5Vp-p (H) VIDEO
③ 1.0Vp-p (H) VIDEO/Y	④ 1.5Vp-p (H) U-IN
⑤ 1.1Vp-p (H) V-IN	⑥ 1.2Vp-p (H) B-Y
⑦ 950mVp-p (H) R-Y	⑧ 1.5Vp-p (H) Y
⑨ 4.0Vp-p (H) SCCP	⑩ 5.0Vp-p (V) V-VD
⑪ 5.0Vp-p (H) V-HD	

QA Board IC Block Diagrams

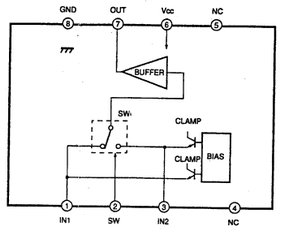
CXA1846AN-T4 (IC1003)



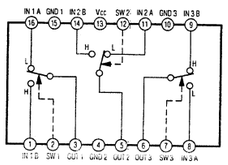
CXA1875AM-T4 (IC1102)



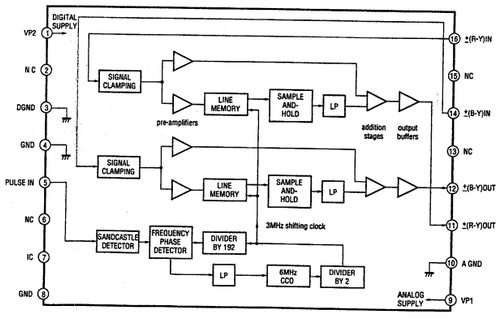
MM1111XFBE (IC1203)



MM1231XFBE (IC1204)



TDA4665T/V5-118 (IC1201)



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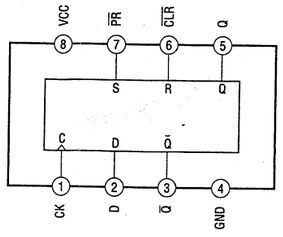

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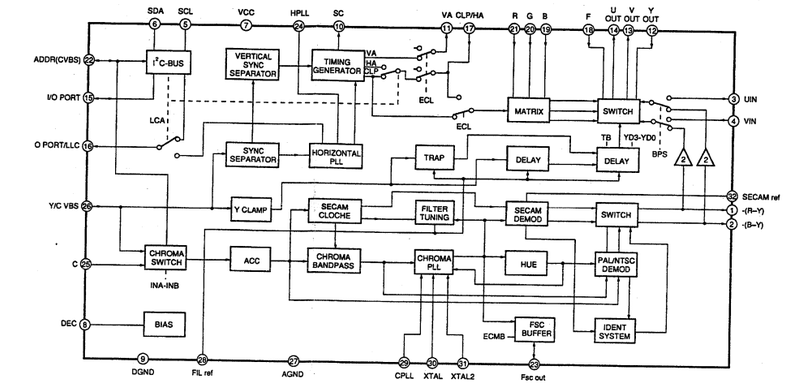

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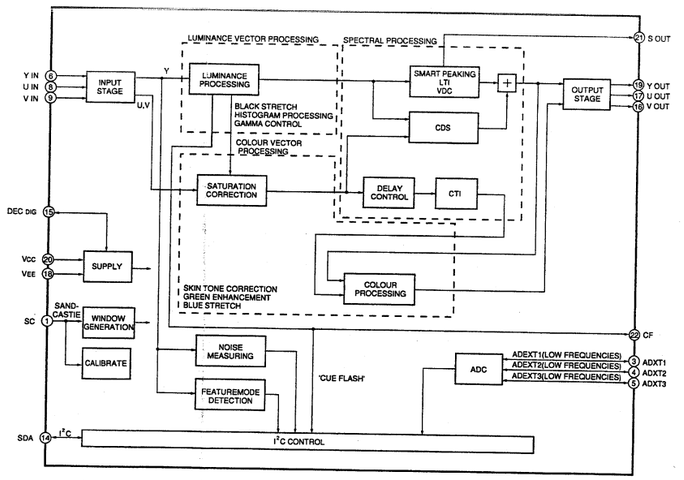
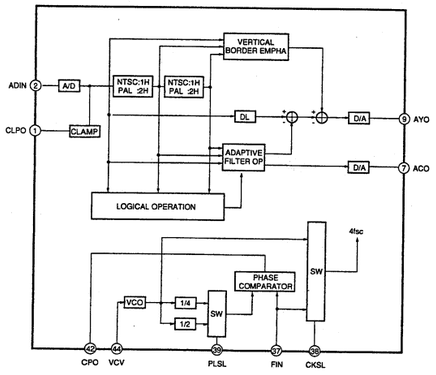
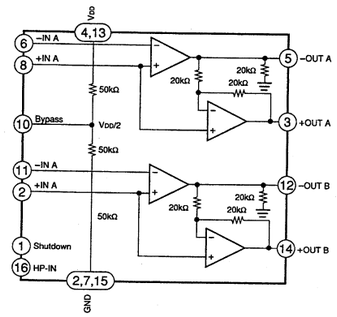


CXD2064Q-T6 (IC1205)



LM4863MTEX (IC1004)



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QB
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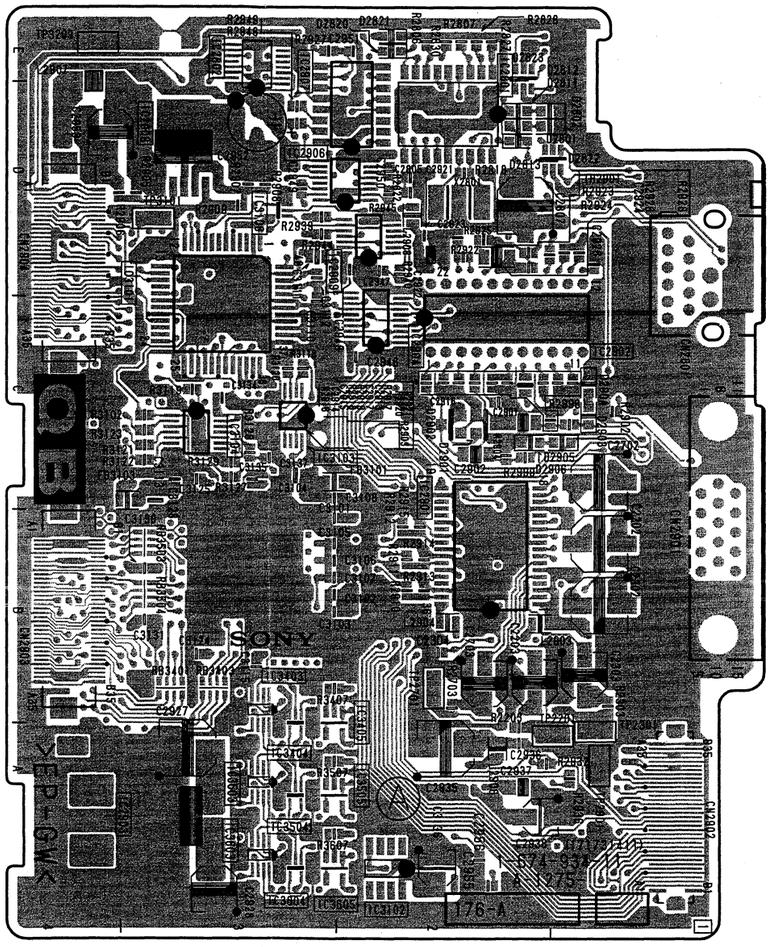
1-674-934-11

IC2801 E-2
IC2802 E-3
IC2901 C-2
IC2902 *C-2
IC2903 A-3
IC2904 C-2
IC2905 *A-2
IC2906 D-3
IC2907 E-3
IC2908 D-3
IC2909 D-2
IC3101 D-3
IC3102 A-2
IC3103 C-3
IC3104 C-3
IC3105 *C-3
IC3106 D-3
IC3403 B-3
IC3404 A-3
IC3405 A-2
IC3503 A-3
IC3504 A-3
IC3505 A-2
IC3603 A-3
IC3604 A-3
IC3605 A-3

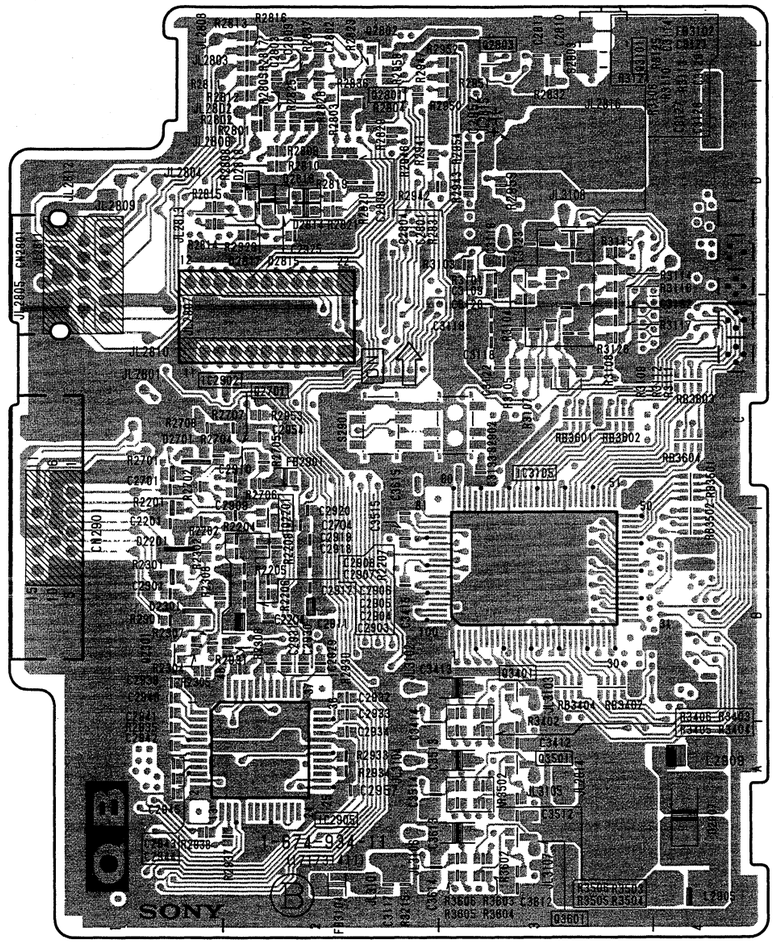
Q2201 *B-2
Q2301 *B-1
Q2701 *C-2
Q2801 *D-3
Q2802 *E-2
Q2803 *E-3
Q3401 *B-2
Q3501 *A-3
Q3601 *A-3

TP2201 A-1
TP2301 A-1
TP2701 B-2
TP2801 A-1
TP3101 D-3
TP3209 D-4

*:B Side mount

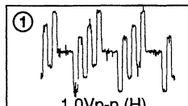
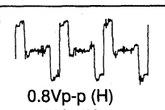
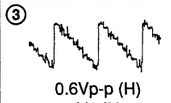
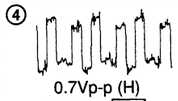
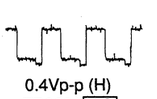
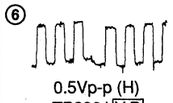


QB –A SIDE–
SUFFIX : -11

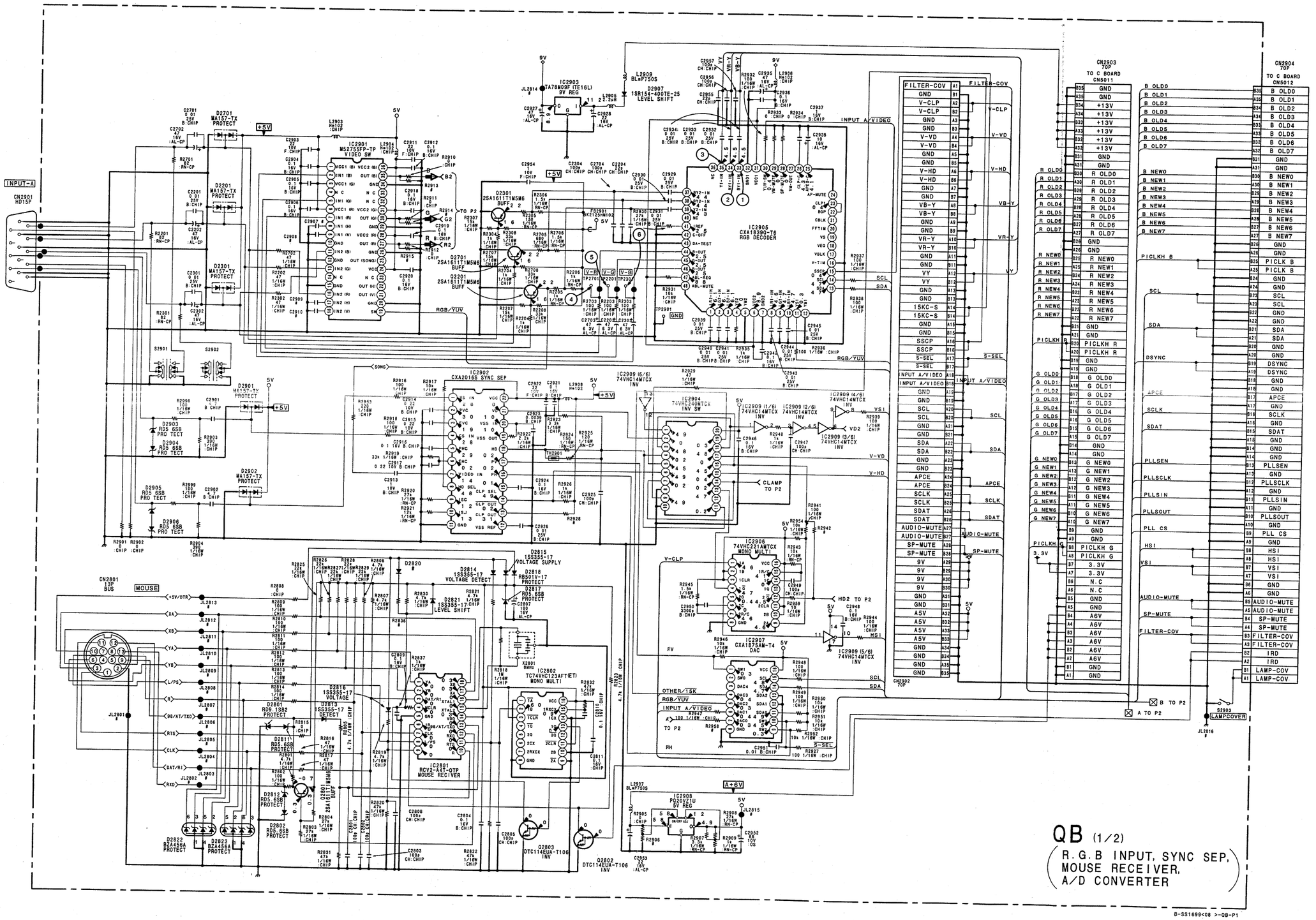


QB –B SIDE–
SUFFIX : -11

QB Board Waveforms

①  1.0Vp-p (H) BY1-IN	②  0.8Vp-p (H) RY1-IN	③  0.6Vp-p (H) Y1-IN
④  0.7Vp-p (H) TP2701 V-R	⑤  0.4Vp-p (H) TP2201 V-G	⑥  0.5Vp-p (H) TP2301 V-B

- Refer to page 8-8 for Printed Wiring Board
- Refer to page 8-8 for Waveforms
- Refer to page 8-11 for IC Block Diagrams



VPL-PX1

8-9 8-9

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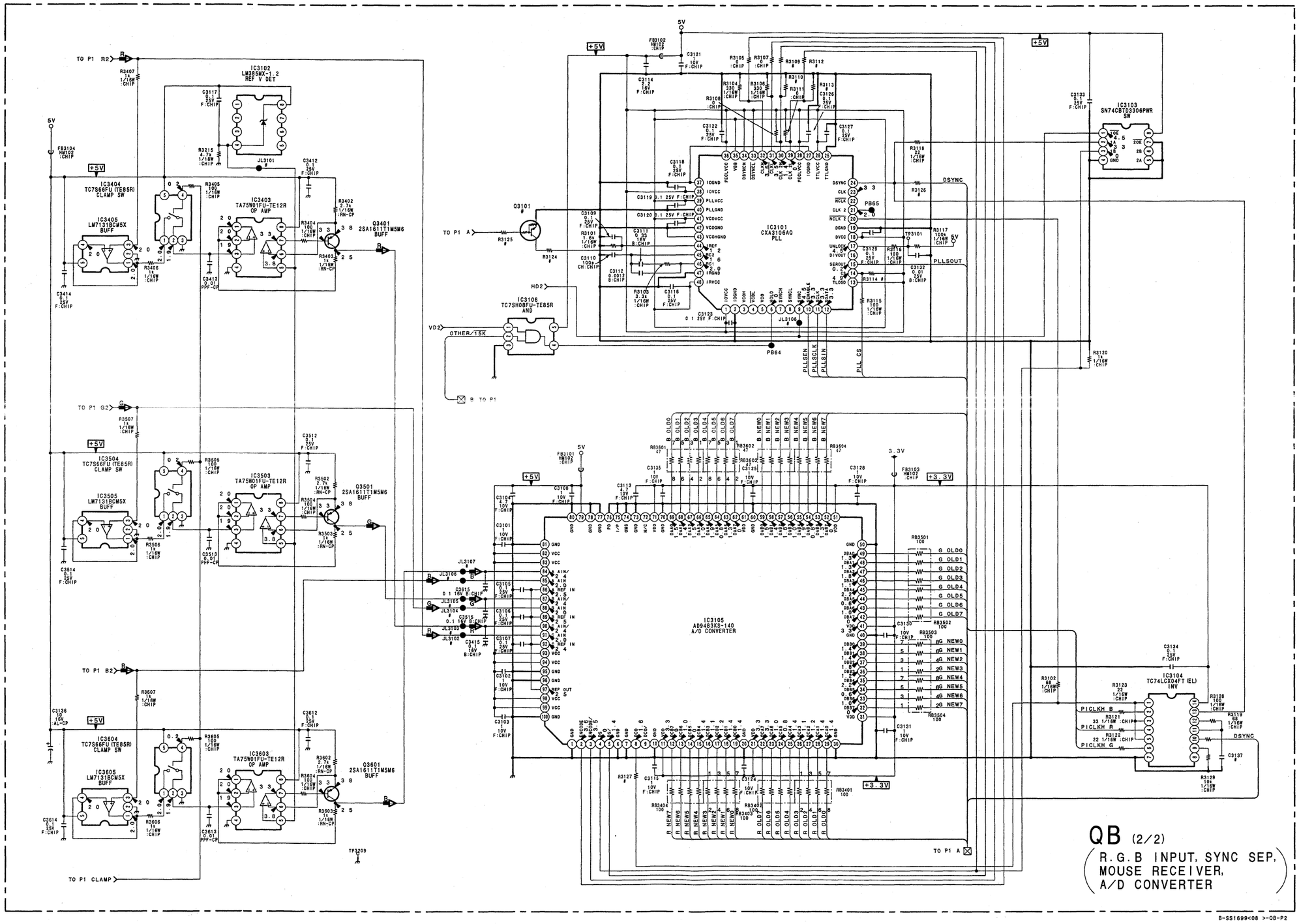
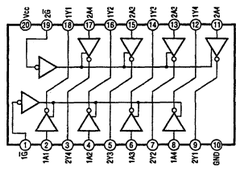
- **Refer to page 8-8 for Printed Wiring Board**
- **Refer to page 8-8 for Waveforms**
- **Refer to page 8-11 for IC Block Diagrams**

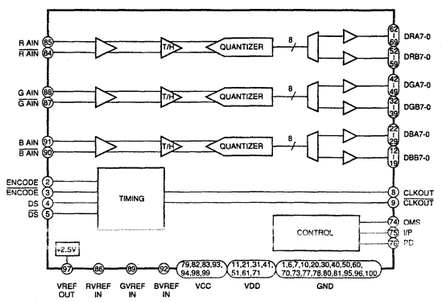


QB Board IC Block Diagrams

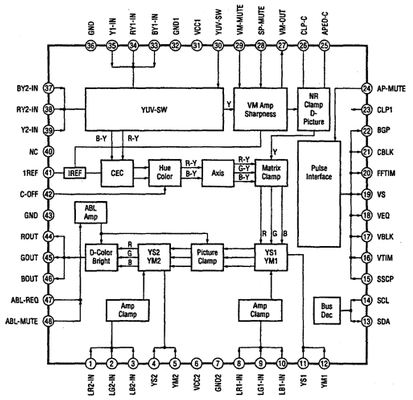
74VHC240MTCX (IC2904)



AD9483KS-140 (IC3105)



CXA1839Q-T6 (IC2905)



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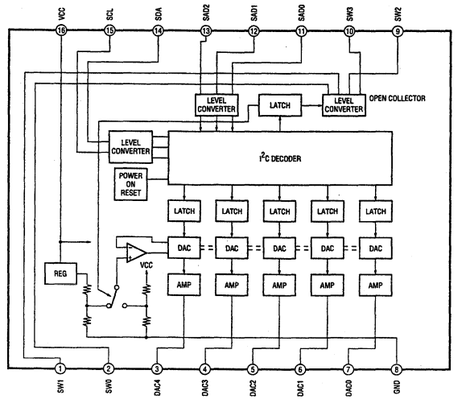
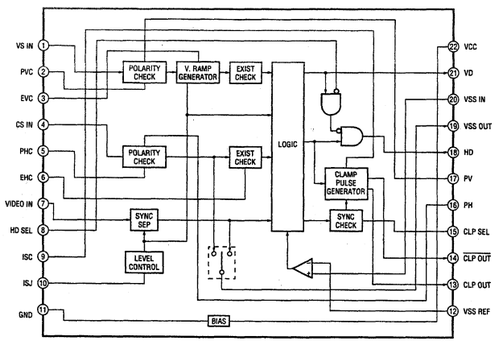
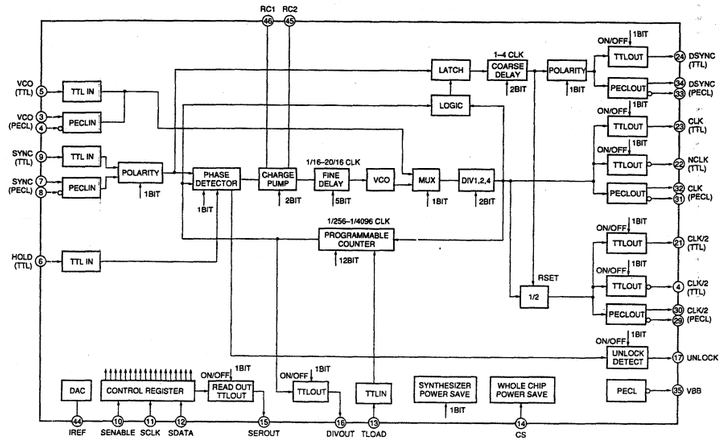


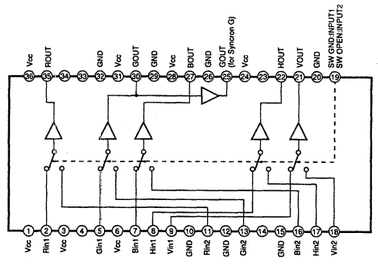
CXA2016S (IC2902)



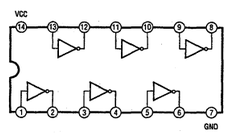
CXA3106AQ (IC3101)



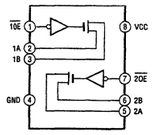
M52755FP-TP (IC2901)



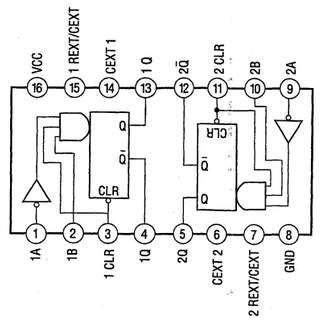
TC74LCX04FT (IC3104)

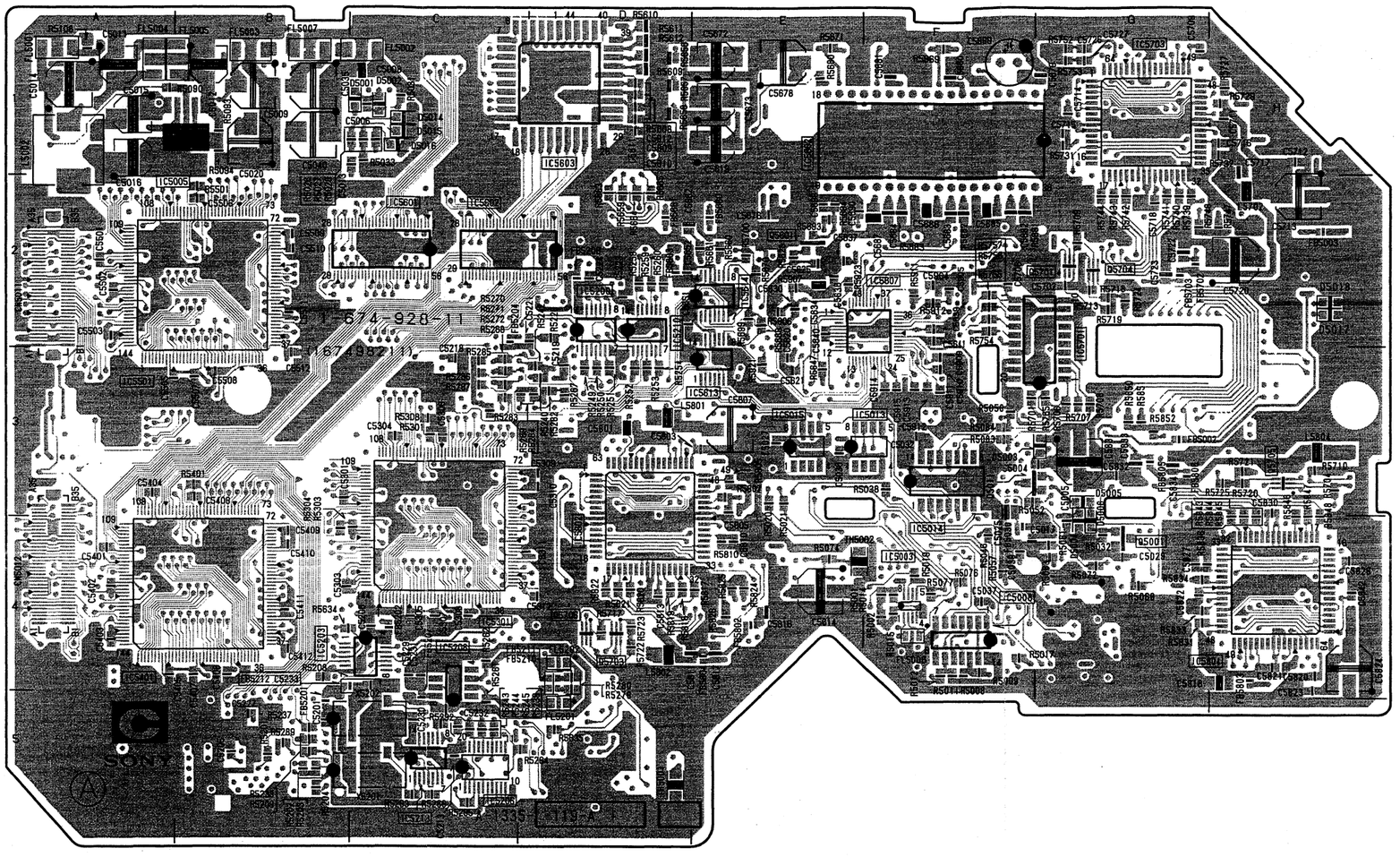


SN74CBD3306PWR (IC3103)



TC74VHC123AFT (IC2802)





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C
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1-672-928-11

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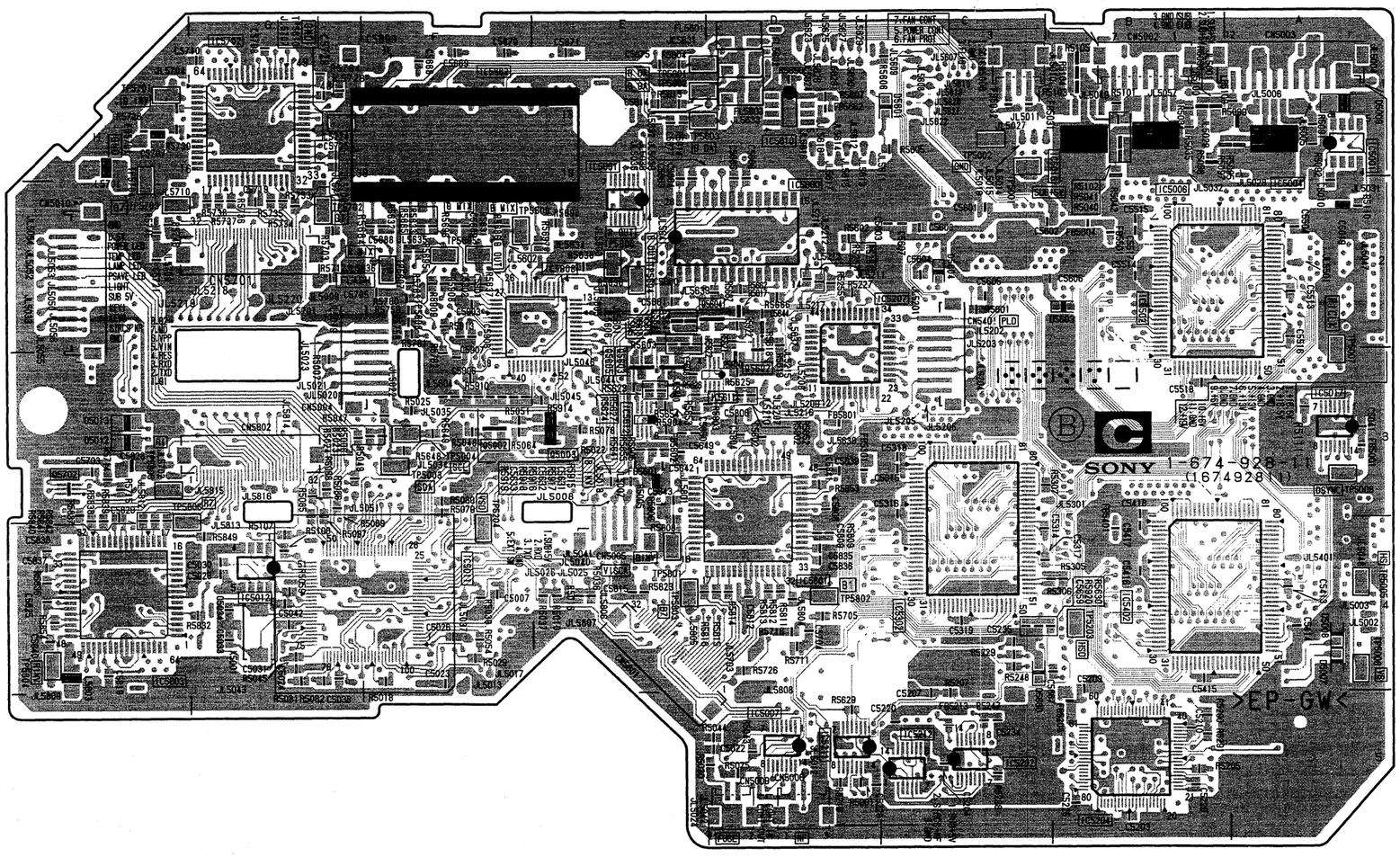
IC5005	B-2
IC5008	F-4
IC5013	F-3
IC5014	F-4
IC5203	B-4
IC5206	C-5
IC5208	C-4
IC5209	D-2
IC5210	D-2
IC5213	C-5
IC5301	C-4
IC5401	A-4
IC5501	A-3
IC5601	C-2
IC5602	C-2
IC5603	D-1
IC5607	F-2
IC5613	E-3
IC5614	E-2
IC5615	E-3
IC5662	E-1
IC5701	G-2
IC5703	G-1
IC5802	D-4
IC5804	H-4
Q5001	G-4
Q5601	E-2
Q5701	G-2
Q5703	D-4
Q5704	G-2
Q5705	H-3
Q5706	D-4

C **–A SIDE–**
SUFFIX : -11

SP01122 / Druck 22

C C



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1-672-928-11

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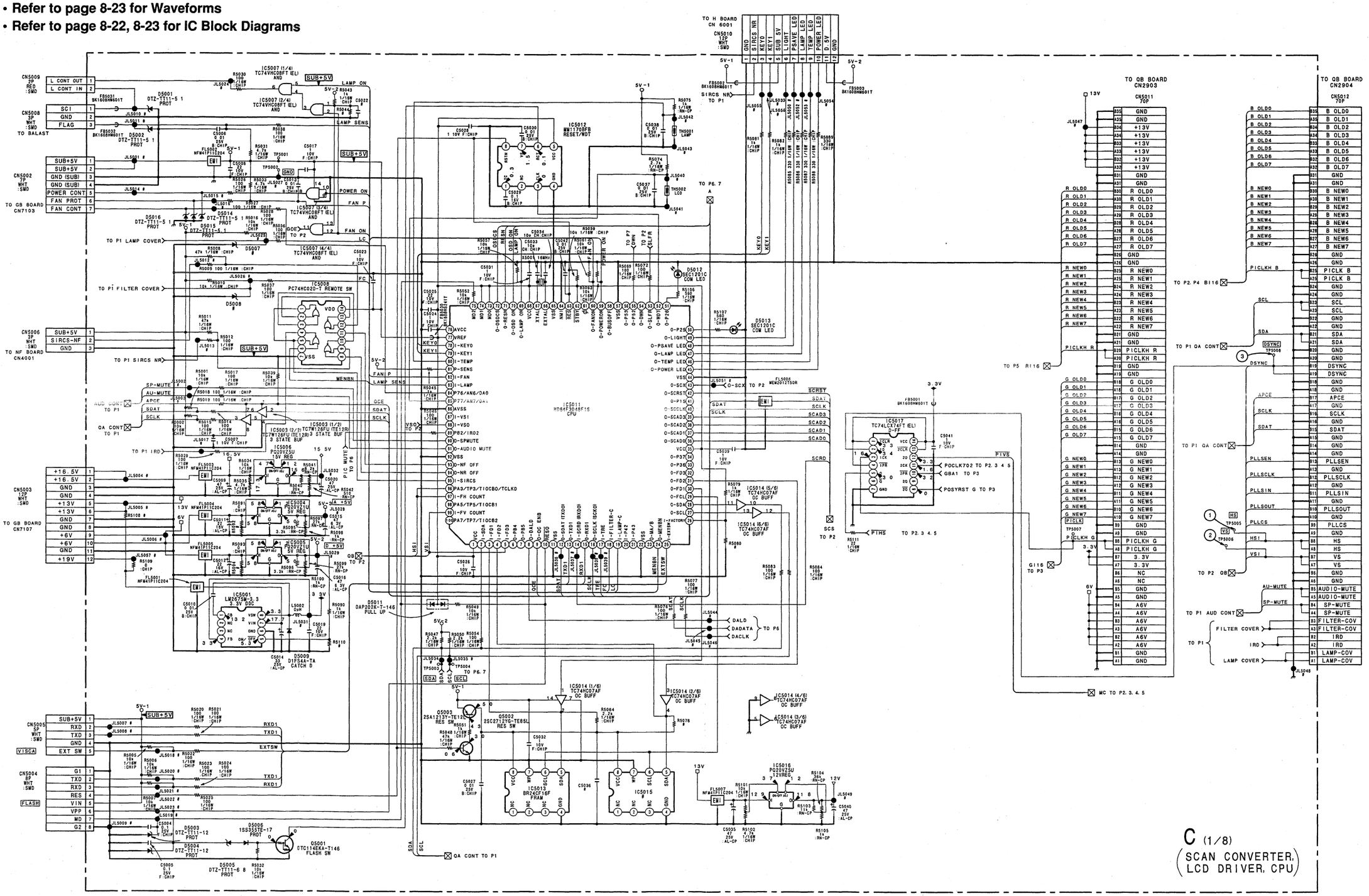
IC5006	B-2
IC5007	D-5
IC5012	G-4
IC5016	B-1
IC5017	A-3
IC5202	C-5
IC5204	B-5
IC5207	C-2
IC5211	D-5
IC5212	C-5
IC5608	E-2
IC5611	D-3
IC5612	E-3
IC5660	D-2
IC5661	E-1
IC5702	G-1
IC5801	D-4
IC5803	H-4
Q5002	F-3
Q5003	E-3
Q5602	D-3
Q5603	E-3
Q5604	D-2
Q5702	H-3
TP5001	C-2
TP5002	C-1
TP5003	F-3
TP5004	F-3
TP5005	A-4
TP5006	A-4
TP5007	A-2
TP5008	A-3
TP5203	B-4
TP5204	F-3
TP5601	E-1
TP5602	E-1
TP5603	E-1
TP5604	E-2
TP5605	F-2
TP5606	E-2
TP5607	F-2
TP5608	F-3
TP5609	F-2
TP5610	G-1
TP5701	H-1
TP5702	G-2
TP5703	H-2
TP5704	H-1
TP5801	E-4
TP5802	D-4
TP5803	E-4
TP5804	H-4
TP5805	H-3
TP5806	H-3

C –B SIDE–
SUFFIX : -11

- Refer to page 8-12, 8-13 for Printed Wiring Board
- Refer to page 8-23 for Waveforms
- Refer to page 8-22, 8-23 for IC Block Diagrams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(SCAN CONVERTER, LCD DRIVER, CPU)
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CN5010 12P WHT :SMD
TO QB BOARD CN2903
CN5011 70P
TO QB BOARD CN2904
CN5012 70P
TO GB BOARD CN7103
TO NF BOARD CN4001
TO P1 LAMP COVER
TO P1 FILTER COVER
TO P1 SIRCS NR
TO P1 IRD
TO P1 AUD CONT
TO P1 QA CONT
TO P1 LAMP SENS
TO P2 QB
TO P5 R116
TO P3 G116
MC TO P2. 3. 4. 5
QA CONT TO P1
IC5007 (1/4) TC74VHC08FT (EL) AND
IC5007 (2/4) TC74VHC08FT (EL) AND
IC5007 (3/4) TC74VHC08FT (EL) AND
IC5007 (4/4) TC74VHC08FT (EL) AND
IC5012 MM1170BFB RESET/WDT
IC5008 PC74HCD20-T REMOTE SW
IC5011 HD64F3048F16 CPU
IC5001 LM2675M-5.3 3.3V DDC
IC5003 (1/2) TC7W126FU (TE12R) 3 STATE BUF
IC5003 (2/2) TC7W126FU (TE12R) 3 STATE BUF
IC5006 PQ20VZ5U 5V REG
IC5004 PQ20VZ1U 5V REG
IC5005 PQ20VZ1U 5V REG
IC5016 PQ20VZ5U 12V REG
IC5017 TC74LCX74FT (EL) D-FF
IC5014 (1/6) TC74HC07AF OC BUFF
IC5014 (2/6) TC74HC07AF OC BUFF
IC5014 (3/6) TC74HC07AF OC BUFF
IC5014 (4/6) TC74HC07AF OC BUFF
IC5014 (5/6) TC74HC07AF OC BUFF
IC5014 (6/6) TC74HC07AF OC BUFF
IC5013 BR24CF16F FRAM
IC5015
D5001 DTZ-TT11-5 1 PROT
D5002 DTZ-TT11-5 1 PROT
D5014 DTZ-TT11-5 1 PROT
D5016 DTZ-TT11-5 1 PROT
D5015 DTZ-TT11-5 1 PROT
D5007
D5008
D5009 DTFS6A-TA CATCH D
D5010 SEC1201C COM LED
D5013 SEC1201C COM LED
D5011 DAP202K-T-146 PULL UP
D5003 DTZ-TT11-12 PROT
D5004 DTZ-TT11-12 PROT
D5005 DTZ-TT11-6 8 PROT
D5006 1SS355TE-17 PROT
Q5001 DTC114EKA-T146 FLASH SW
Q5003 2SA1213Y-TE12L RES SW
Q5002 2SC2712YG-TE85L RES SW
CN5009 7P RED :SMD
CN5008 3P WHT :SMD
CN5002 7P WHT :SMD
CN5006 3P WHT :SMD
CN5003 12P WHT :SMD
CN5005 8P WHT :SMD
CN5004 8P WHT :SMD
L CONT OUT
L CONT IN
SCI
GND
FLAG
SUB+5V
GND (SUB)
POWER CONT
FAN PROT
FAN CONT
SIRCS-NF
+16.5V
+13V
+6V
+19V
RXD
TXD
EXT SW
G1
RES
VIN
VPP
MD
G2
SP-MUTE
AU-MUTE
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SDAT
SCLK
MENBN
EXTSW
RXD1
TXD1
LAMP ON
POWER ON
FAN P
FAN ON
FC
LC
GCE
VSO
PTVS
PTHS
SCS
SCRD
SCRST
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SCAD2
SCAD1
SCAD0
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O-PSAVE LED
O-LAMP LED
O-TEMP LED
O-POWER LED
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O-SCL
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P85/IRQ5
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P87/IRQ7
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P12/AN2
P13/AN3
P14/AN4
P15/AN5
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PICLKH G
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PLLSEN
PLLSCLK
PLLSIN
PLLSOUT
PLLCS
HS
VS
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SP-MUTE
FILTER-COV
LAMP-COV
DALD
DADATA
DACLK
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TO P2. P4 B116
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TO P2. 3. 4. 5
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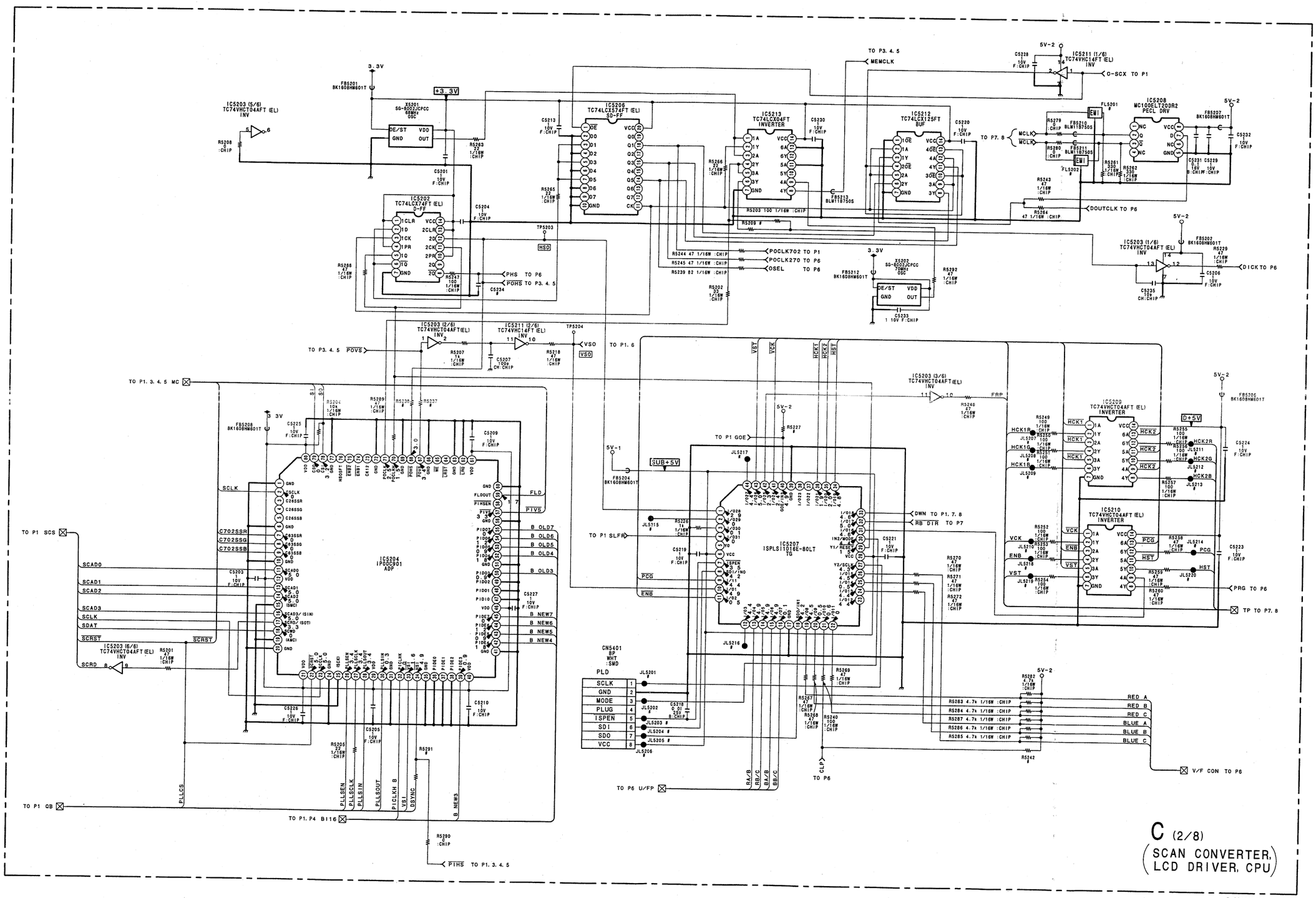
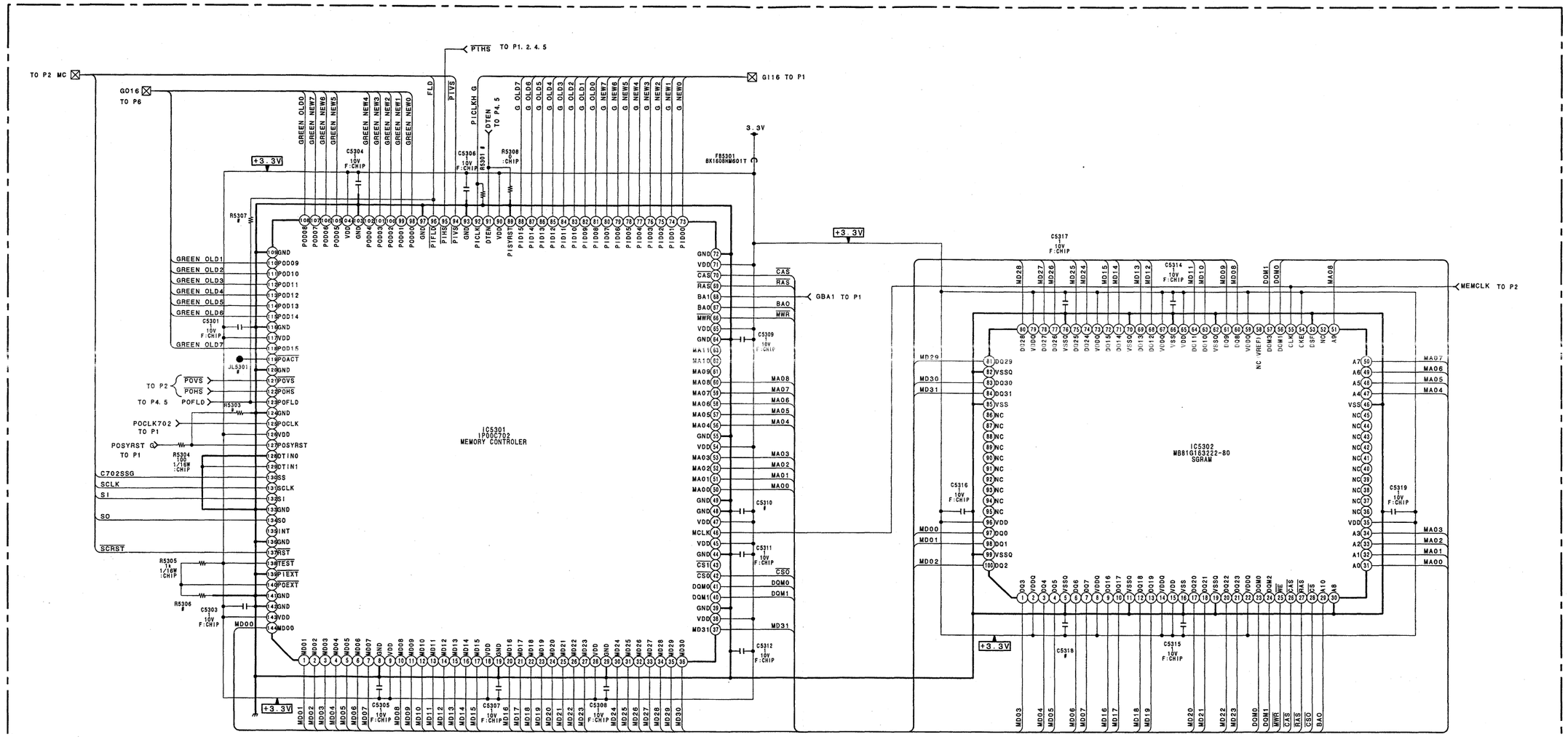
TO P2
TO P2
TO P5
TO P1
TO P1
TO P1

- Refer to page 8-12, 8-13 for Printed Wiring Board
- Refer to page 8-23 for Waveforms
- Refer to page 8-22, 8-23 for IC Block Diagrams

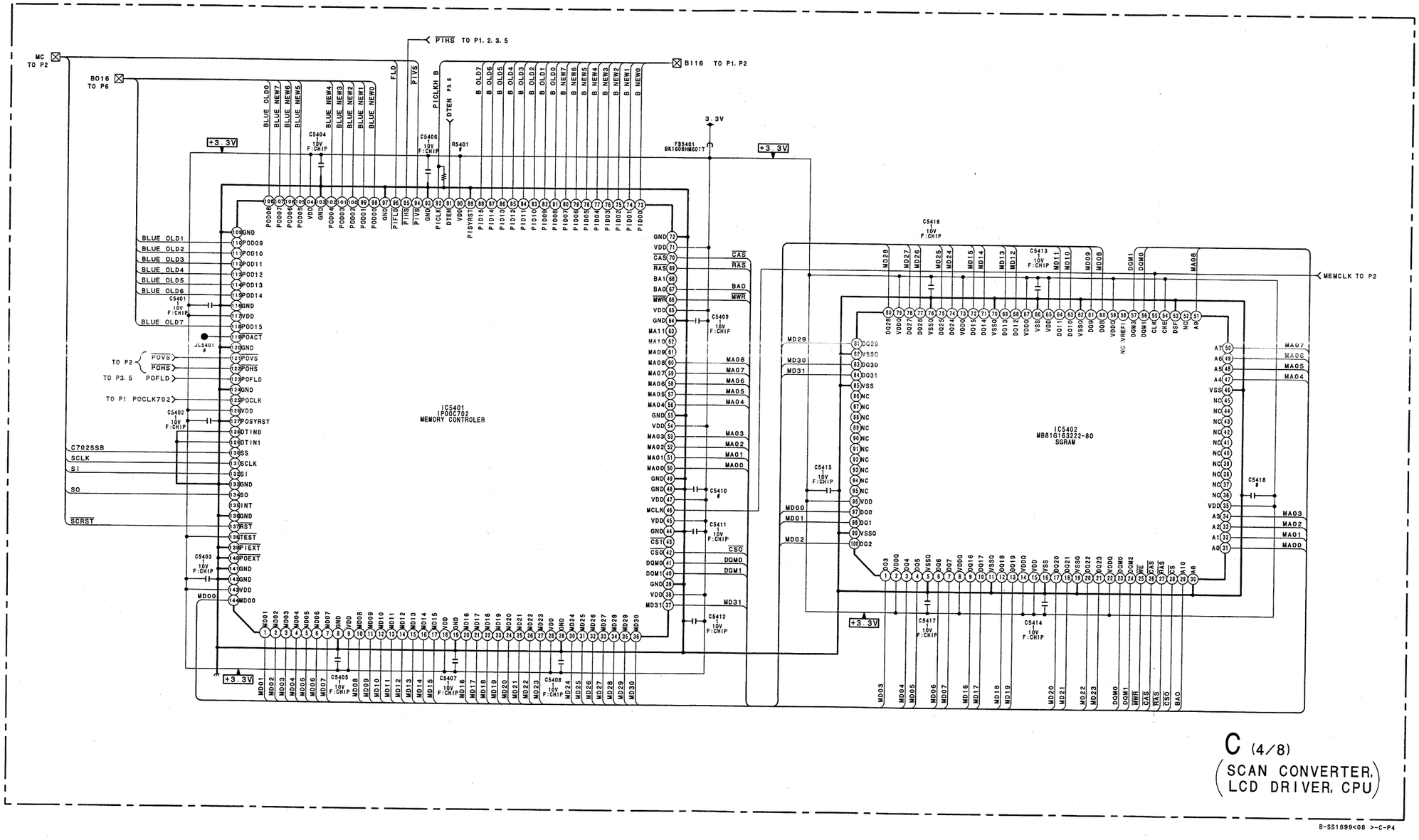


B-SS1699<08 >-C-P2

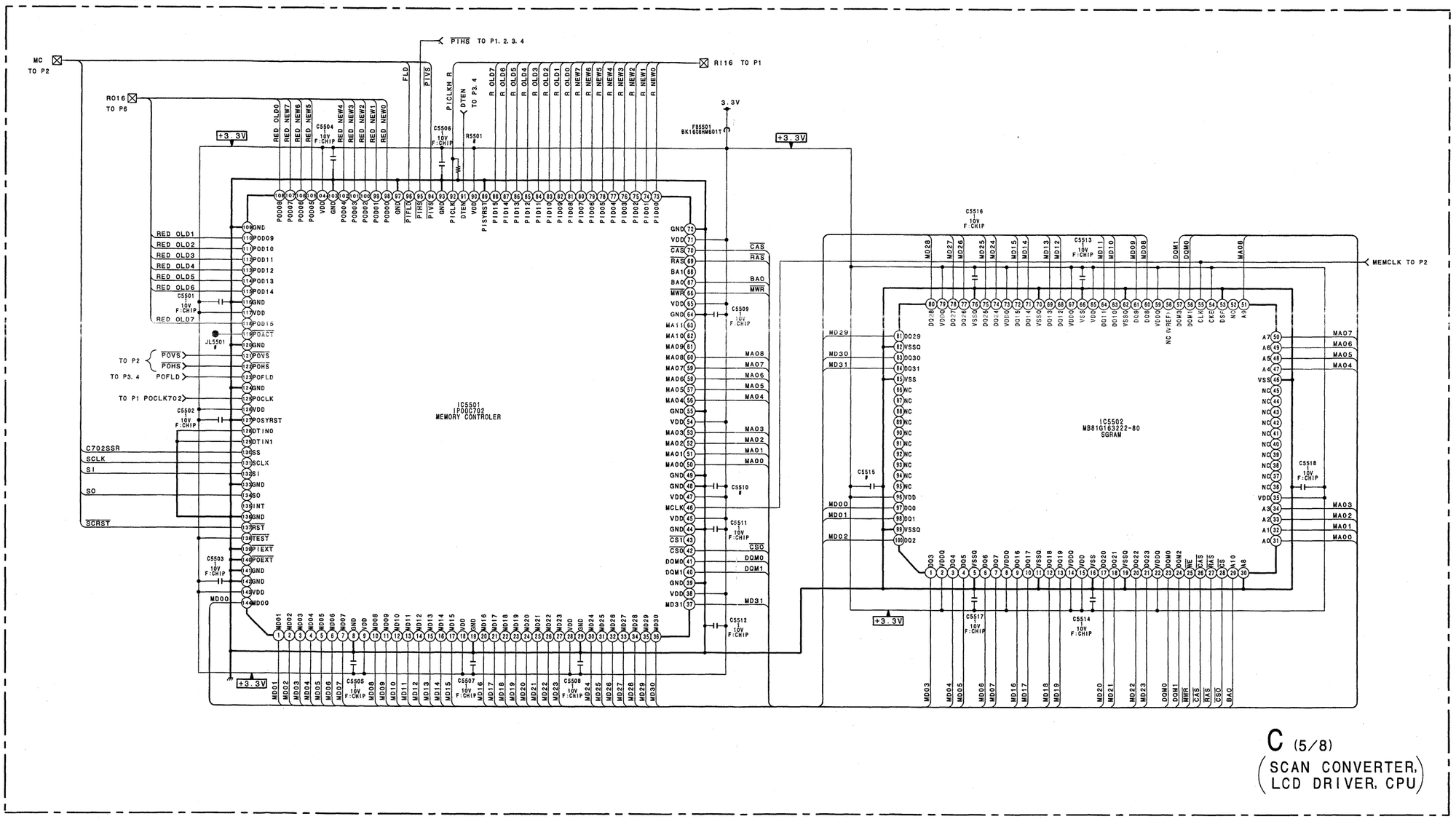
- **Refer to page 8-12, 8-13 for Printed Wiring Board**
- **Refer to page 8-23 for Waveforms**
- **Refer to page 8-22, 8-23 for IC Block Diagrams**



- **Refer to page 8-12, 8-13 for Printed Wiring Board**
- **Refer to page 8-23 for Waveforms**
- **Refer to page 8-22, 8-23 for IC Block Diagrams**



- Refer to page 8-12, 8-13 for Printed Wiring Board
- Refer to page 8-23 for Waveforms
- Refer to page 8-22, 8-23 for IC Block Diagrams



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(SCAN CONVERTER, LCD DRIVER, CPU)

B-SS1699<08 >-C-P5.

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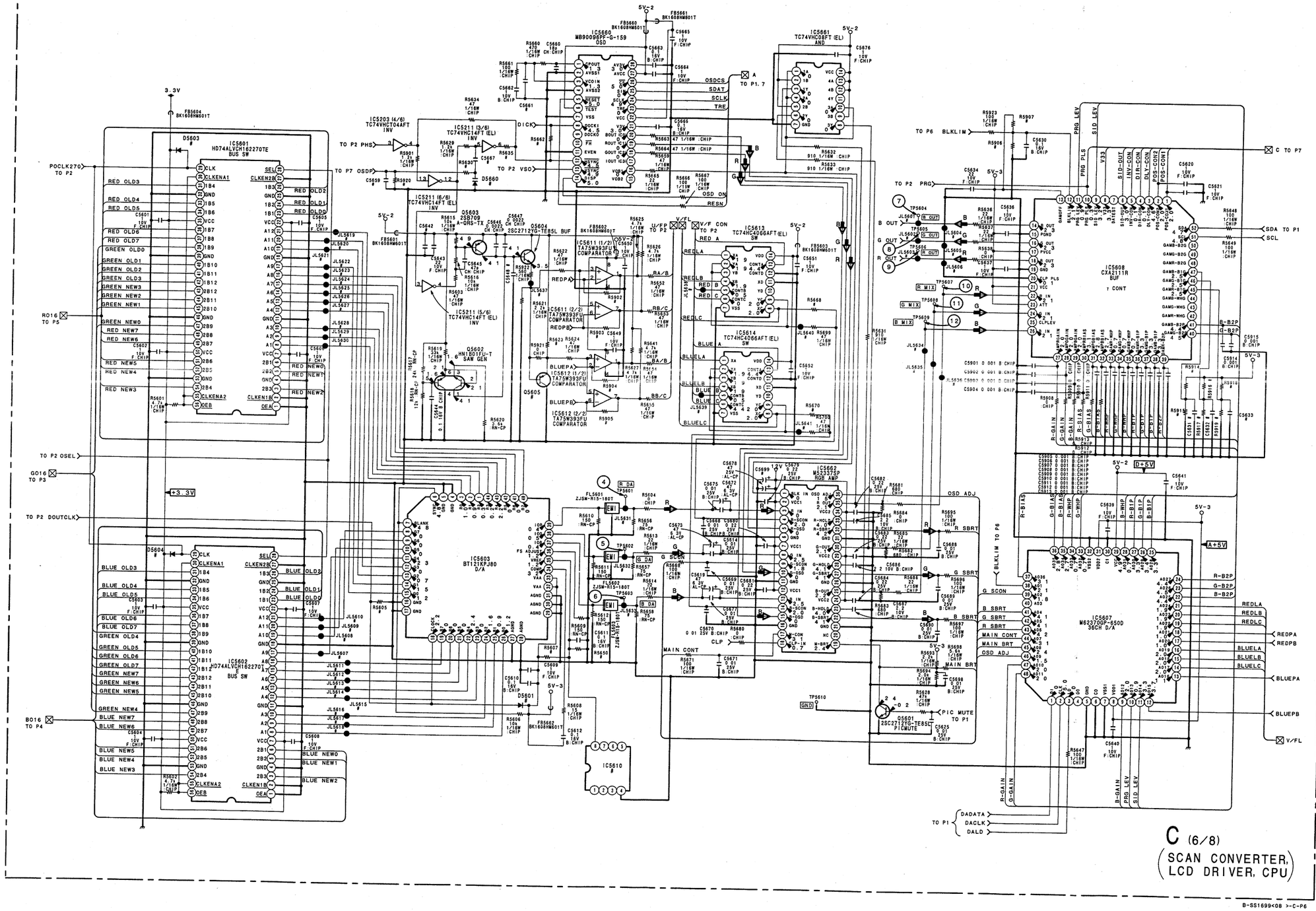
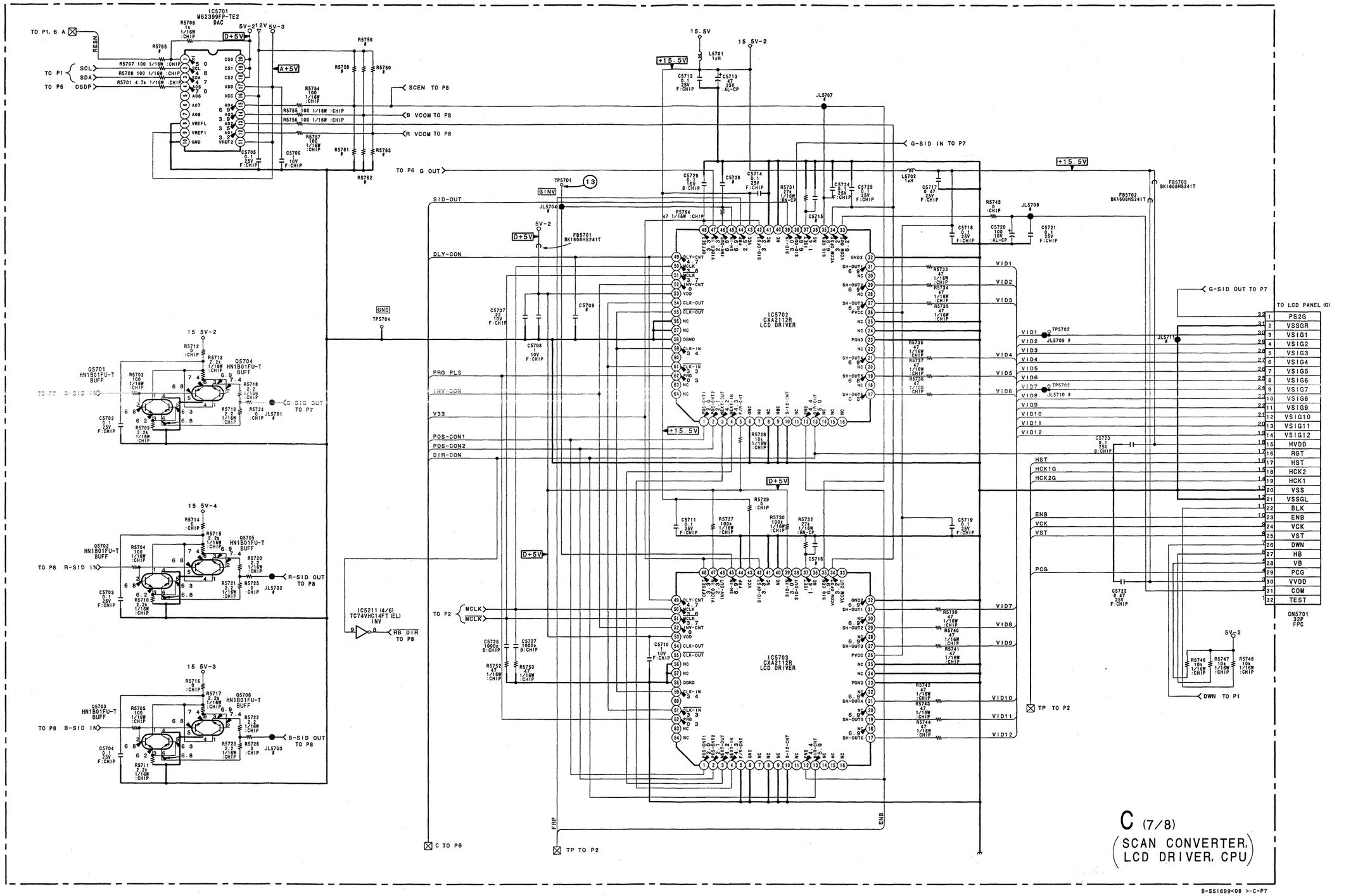
- Refer to page 8-23 for Waveforms
- Refer to page 8-22, 8-23 for IC Block Diagrams



VPL-PX1

- Refer to page 8-12, 8-13 for Printed Wiring Board
- Refer to page 8-23 for Waveforms
- Refer to page 8-22, 8-23 for IC Block Diagrams



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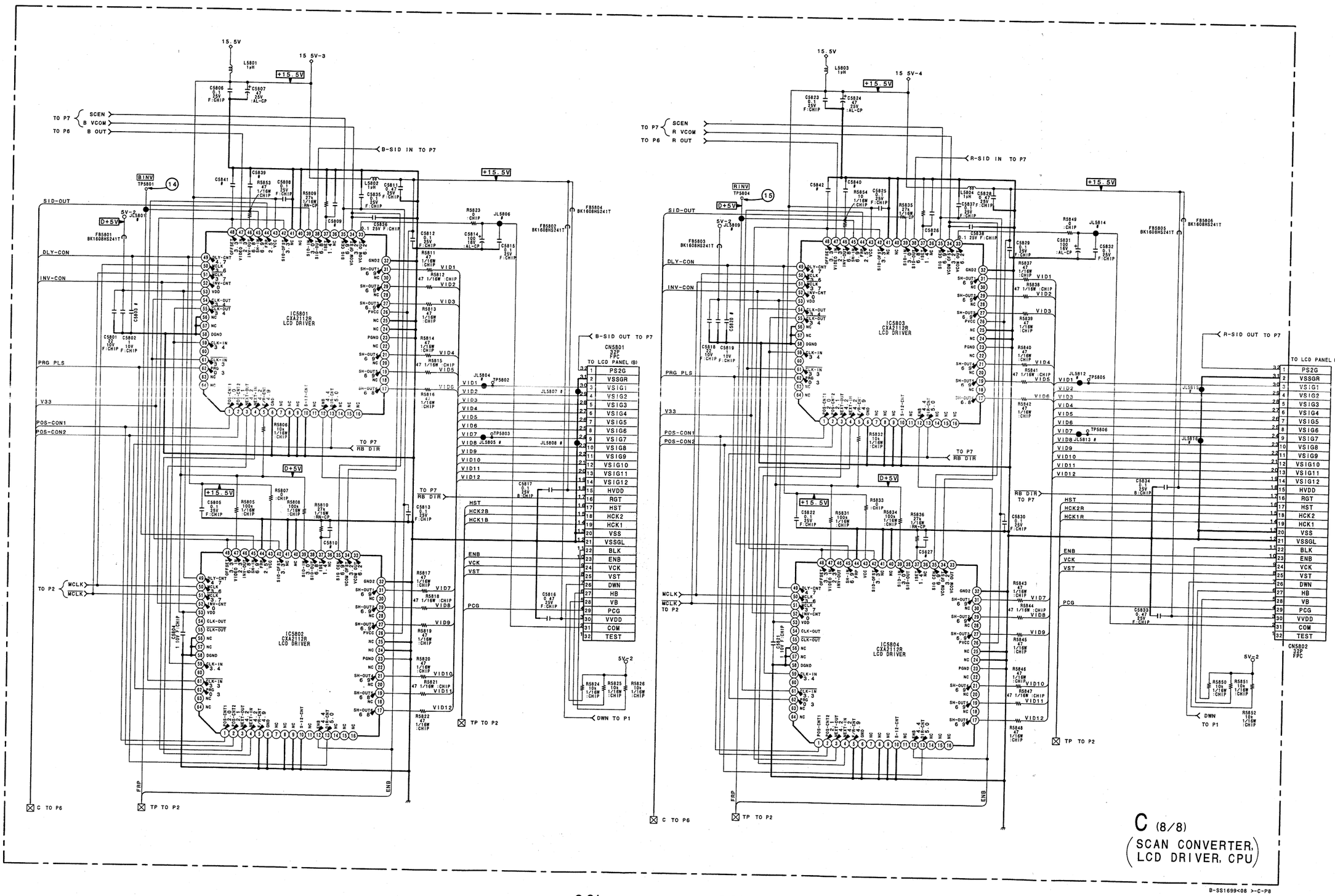
- Refer to page 8-23 for Waveforms
- Refer to page 8-22, 8-23 for IC Block Diagrams



B-SS1699<08 >-C-P8

VPL-PX1

8-21 8-21

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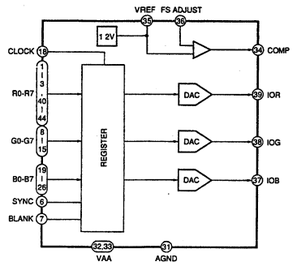
C Board IC Block Diagrams

BT121KPJ80-TP (IC5603)



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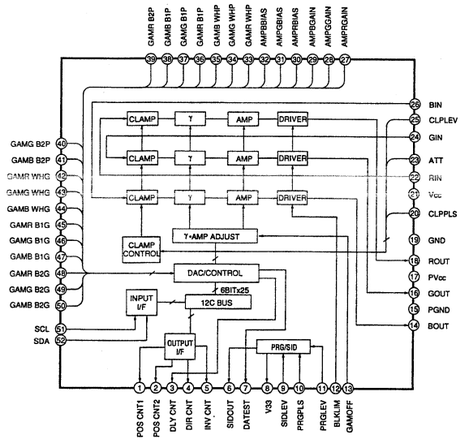

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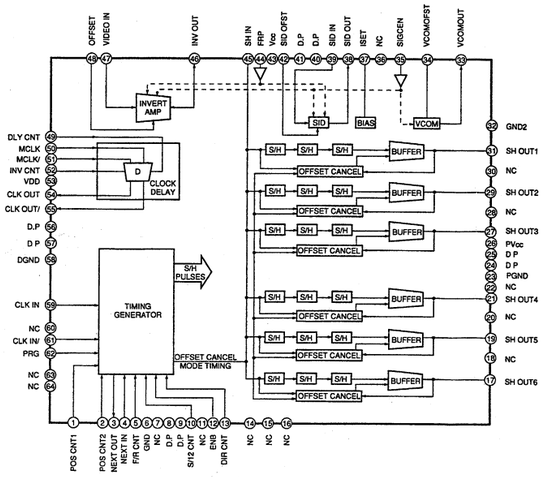

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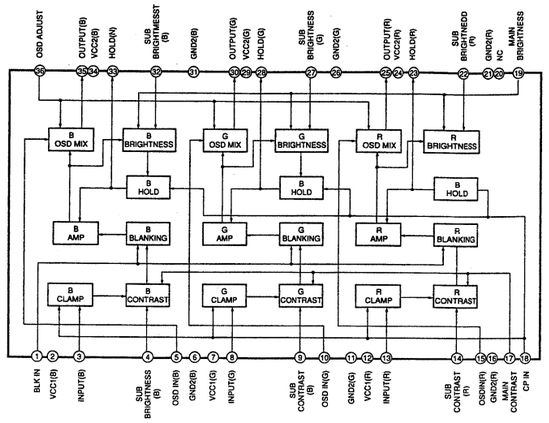

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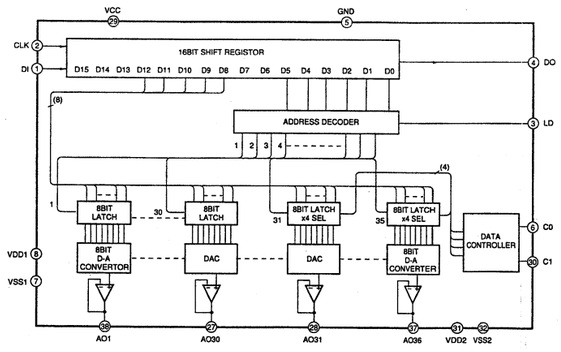

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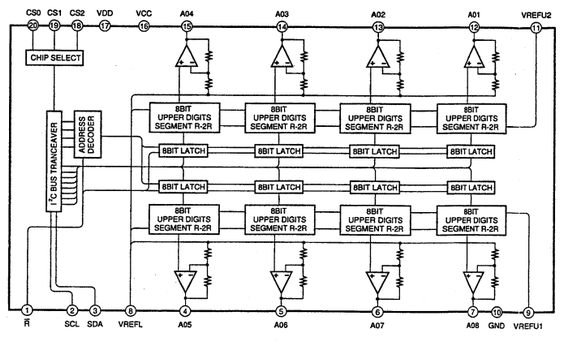

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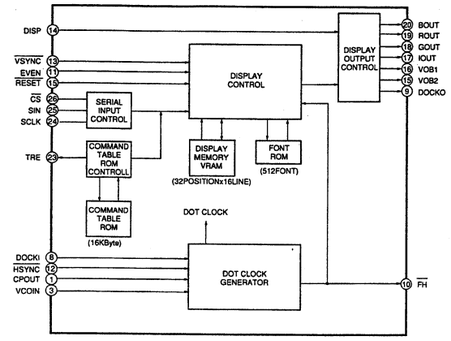

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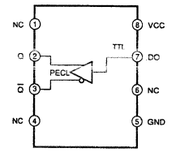

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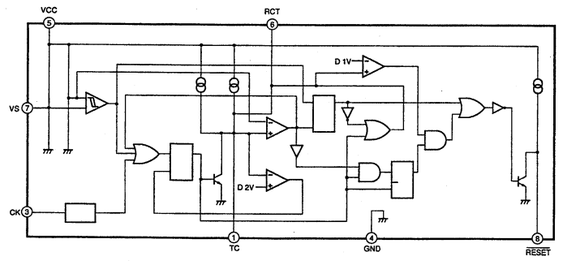

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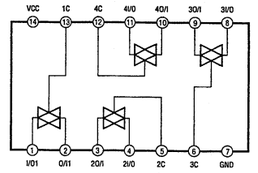

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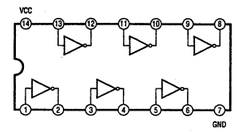

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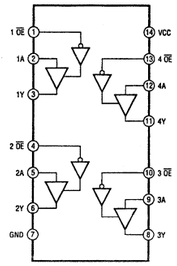
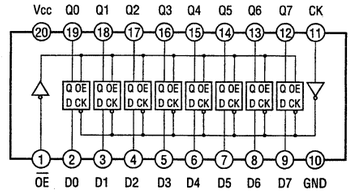
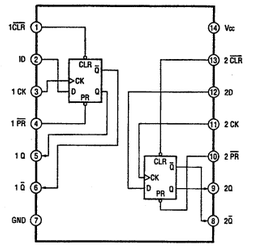


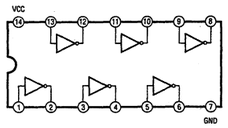
TC74LCX574FT (IC5206)



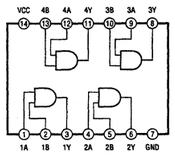
TC74LCX74FT (IC5202)



TC74VHCT04AFT (IC5209)

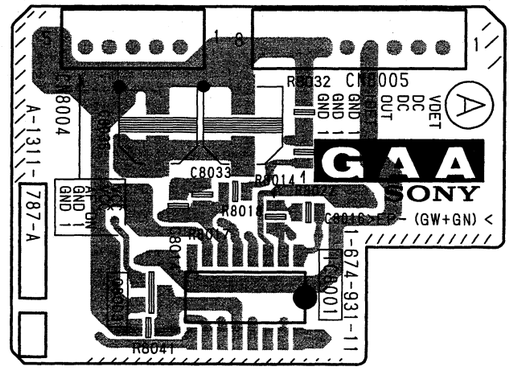


TC74VHC08FT (IC5661)

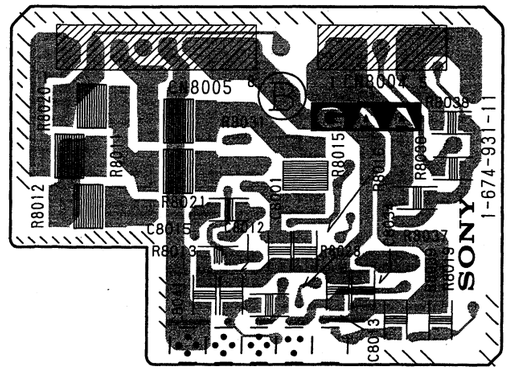


C Board Waveforms

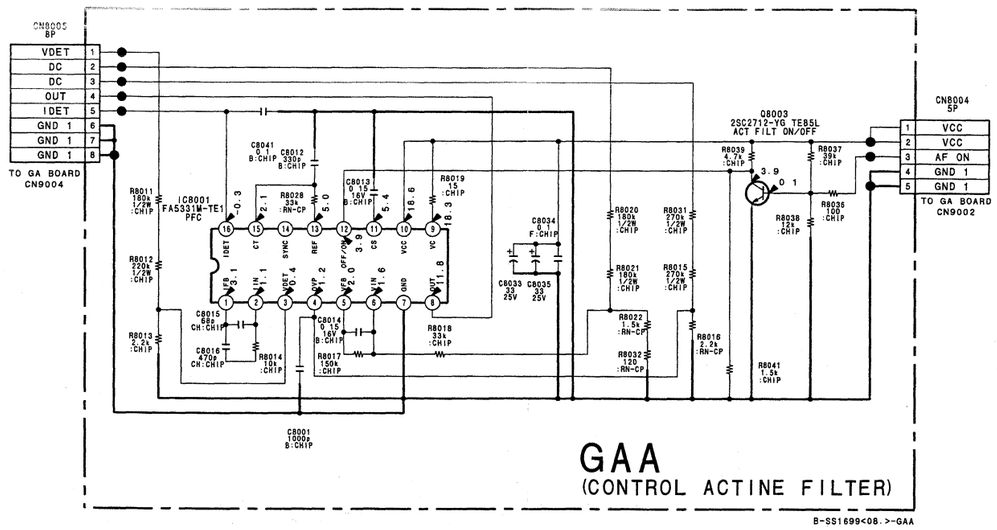
① 5Vp-p (H) TP5005 HS	② 5Vp-p (V) TP5006 VS	③ 4Vp-p (H) TP5008 D SYNC	④ 0.8Vp-p (H) TP5601 RDA	⑤ 0.8Vp-p (H) TP5602 GDA
⑥ 0.8Vp-p (H) TP5603 BDA	⑦ 1.2Vp-p (H) TP5604 B OUT	⑧ 1.0Vp-p (H) TP5605 G OUT	⑨ 1.2Vp-p (H) TP5606 R OUT	⑩ 1.0Vp-p (H) TP5607 R MIX
⑪ 1.0Vp-p (H) TP5608 G MIX	⑫ 1.0Vp-p (H) TP5609 B MIX	⑬ 8.0Vp-p (H) TP5707 G INV	⑭ 8.0Vp-p (H) TP5801 B INV	⑮ 8.0Vp-p (H) TP5804 R INV



GAA –A SIDE–
SUFFIX : -11



GAA –B SIDE–
SUFFIX : -11



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GA
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1-674-929-11

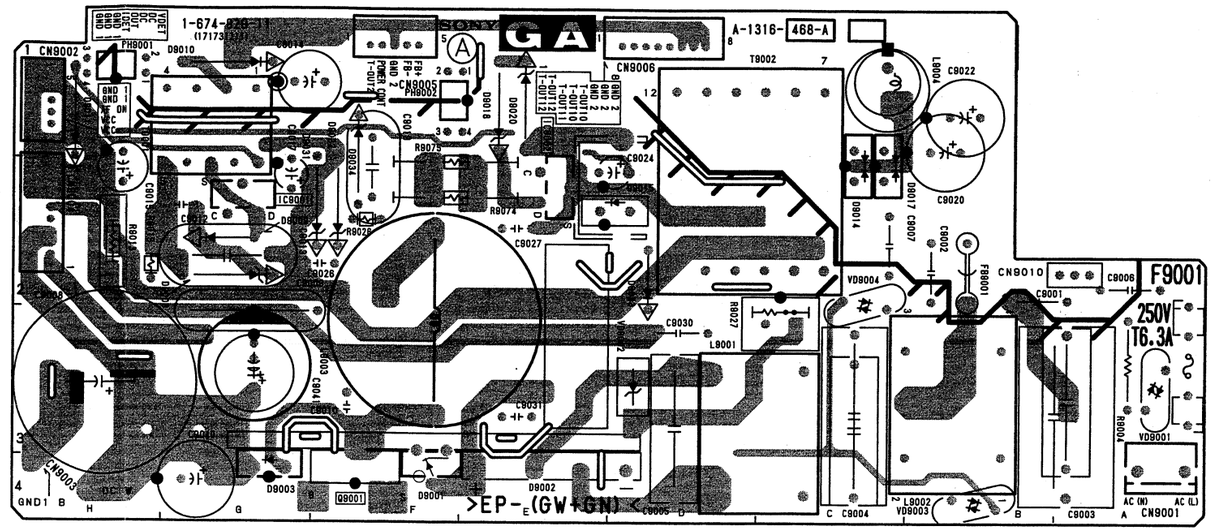
IC9001 G-2
IC9002 E-1

Q9001 F-4
Q9003 *H-1

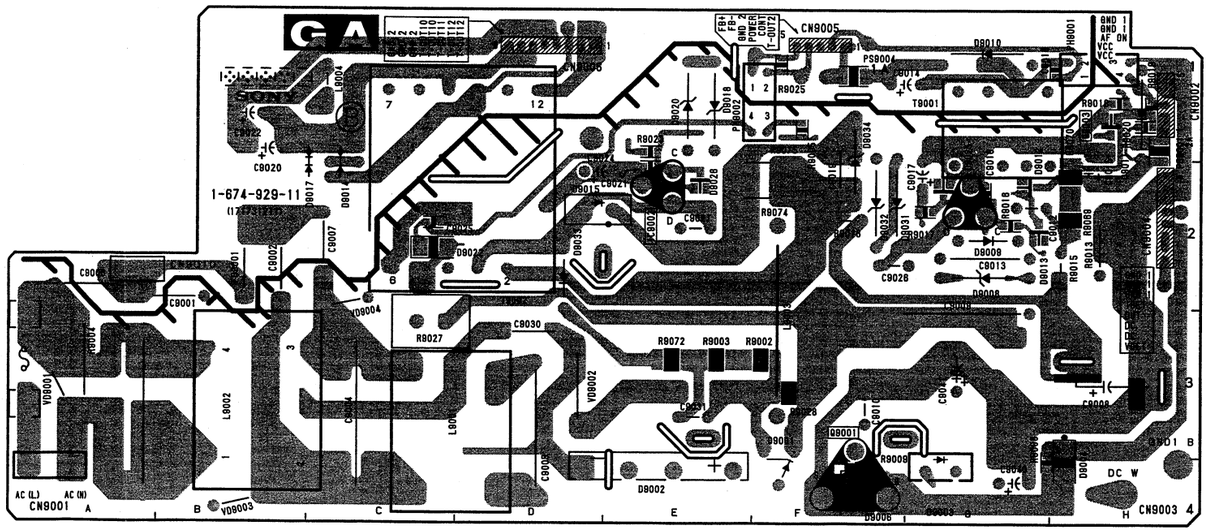
T9001 H-1
T9002 C-1

VD9001 A-3
VD9002 D-3
VD9003 B-4
VD9004 C-2

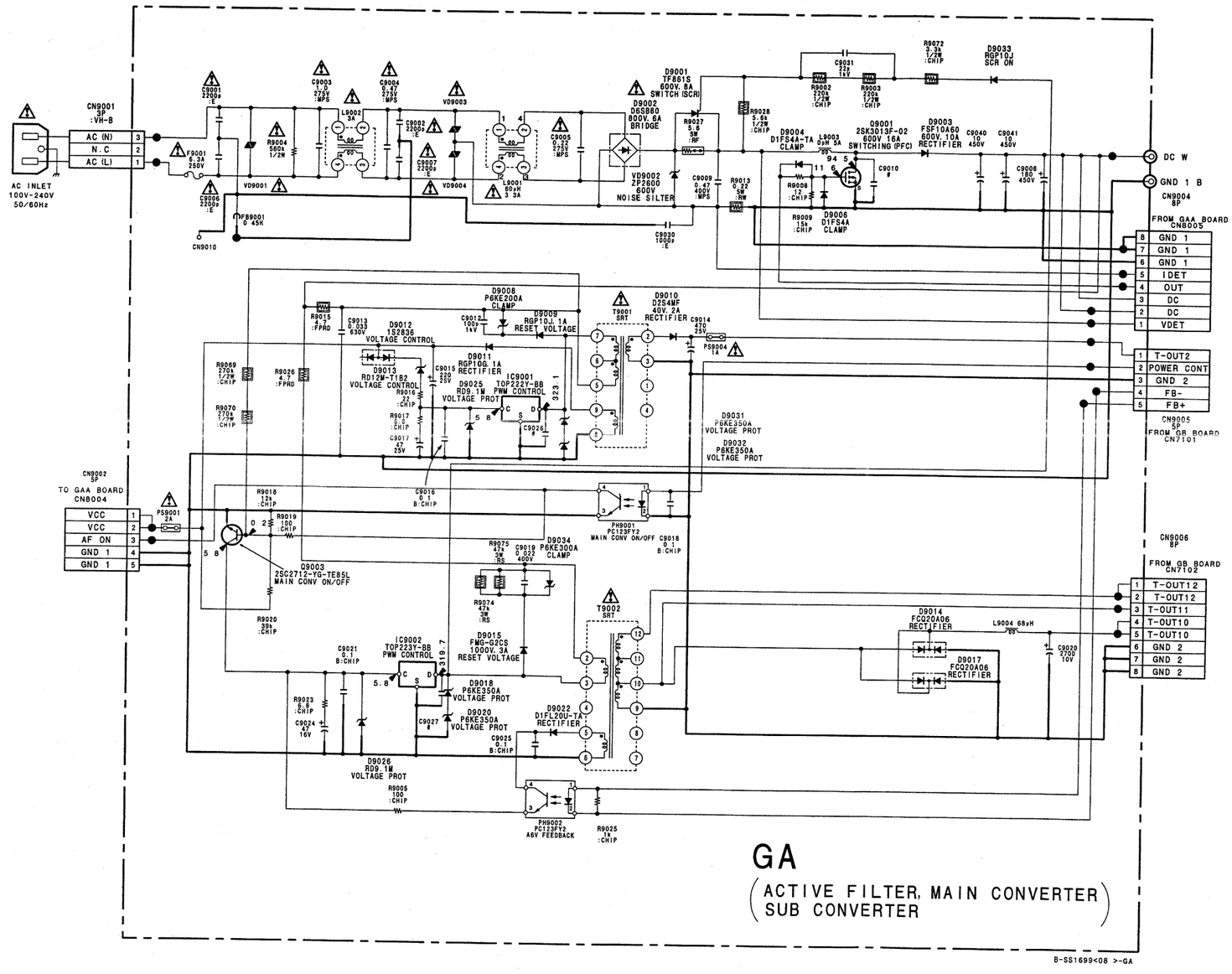
*:B Side mount



GA –A SIDE–
SUFFIX : -11



GA –B SIDE–
SUFFIX : -11


CN9001
3P
:VH-B
AC (N) 3
N.C 2
AC (L) 1
AC INLET
100V-240V
50/60Hz
F9001
6.3A
250V
C9001
2200p
:E
C9003
1.0
275V
:MPS
C9004
0.47
275V
:MPS
L9002
3A
C9002
2200p
:E
C9007
2200p
:E
C9006
2200p
:E
R9004
560k
1/2W
VD9001
VD9003
VD9004
CN9010
CF89001
0.45H
L9001
60uH
3.3A
C9005
0.22
275V
:MPS
D9001
TF861S
600V, 8A
SWITCH (SCR)
D9002
D6SB80
800V, 6A
BRIDGE
VD9002
ZP2600
600V
NOISE SILTER
C9030
1000p
:E
R9027
5.6
5W
:RF
R9028
5.6k
1/2W
:CHIP
C9009
0.47
400V
:MPS
R9013
0.22
5W
:RW
C9031
22p
1kV
R9002
220k
1/2W
:CHIP
R9003
220k
1/2W
:CHIP
R9072
3.3k
1/2W
:CHIP
D9033
RGP10J
SCR ON
D9004
D1FS4A-TA
CLAMP
L9003
0.9H 5A
Q9001
2SK3013F-02
600V 16A
SWITCHING (PFC)
D9003
FSP10A60
600V, 10A
RECTIFIER
C9040
10
450V
C9041
10
450V
C9008
180
450V
C9010
0
R9008
12
:CHIP
R9009
15k
:CHIP
D9006
D1FS4A
CLAMP
DC W
GND 1 B
CN9004
8P
FROM GAA BOARD
CN8005
8 GND 1
7 GND 1
6 GND 1
5 IDET
4 OUT
3 DC
2 DC
1 VDET
D9008
P6KE200A
CLAMP
D9009
RGP10J 1A
RESET VOLTAGE
R9015
4.7
:FPRD
C9013
0.033
630V
D9012
1S2836
VOLTAGE CONTROL
C9012
100p
1kV
T9001
SRT
D9010
D2S4NF
40V, 2A
RECTIFIER
C9014
470
25V
PS9004
1A
D9013
RD12M-T1B2
VOLTAGE CONTROL
D9011
RGP10G 1A
RECTIFIER
C9015
220
25V
IC9001
TOP222Y-BB
PWM CONTROL
D9025
RD9.1M
VOLTAGE PROT
R9016
22
:CHIP
R9017
0
:CHIP
C9017
47
25V
C9026
0
R9060
270k
1/2W
:CHIP
R9070
270k
1/2W
:CHIP
R9026
4.7
:FPRD
D9031
P6KE350A
VOLTAGE PROT
D9032
P6KE350A
VOLTAGE PROT
1 T-OUT2
2 POWER CONT
3 GND 2
4 FB-
5 FB+
CN9005
5P
FROM GB BOARD
CN7101
CN9002
5P
TO GAA BOARD
CN8004
VCC 1
VCC 2
AF ON 3
GND 1 4
GND 1 5
PS9001
2A
R9018
12k
:CHIP
R9019
100
:CHIP
C9016
0.1
B:CHIP
PH9001
PC123FY2
MAIN CONV ON/OFF
C9018
0.1
B:CHIP
D9003
2SC2712-YG-TE85L
MAIN CONV ON/OFF
R9020
39k
:CHIP
R9075
47k
3W
:RS
C9019
0.022
400V
D9034
P6KE300A
CLAMP
R9074
47k
3W
:RS
T9002
SRT
IC9002
TOP223Y-BB
PWM CONTROL
D9015
FMG-G2CS
1000V, 3A
RESET VOLTAGE
C9021
0.1
B:CHIP
R9023
6.8
:CHIP
C9024
47
16V
D9018
P6KE350A
VOLTAGE PROT
D9020
P6KE350A
VOLTAGE PROT
C9027
0
C9025
0.1
B:CHIP
D9022
D1FL20U-TA
RECTIFIER
D9026
RD9.1M
VOLTAGE PROT
R9005
100
:CHIP
PH9002
PC123FY2
A6V FEEDBACK
R9025
1k
:CHIP
CN9006
8P
FROM GB BOARD
CN7102
1 T-OUT12
2 T-OUT12
3 T-OUT11
4 T-OUT10
5 T-OUT10
6 GND 2
7 GND 2
8 GND 2
D9014
FCQ20A06
RECTIFIER
L9004 68uH
D9017
FCQ20A06
RECTIFIER
C9020
2700
10V
GA
(ACTIVE FILTER, MAIN CONVERTER
SUB CONVERTER)
B-SS1699<08 >-GA

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GB
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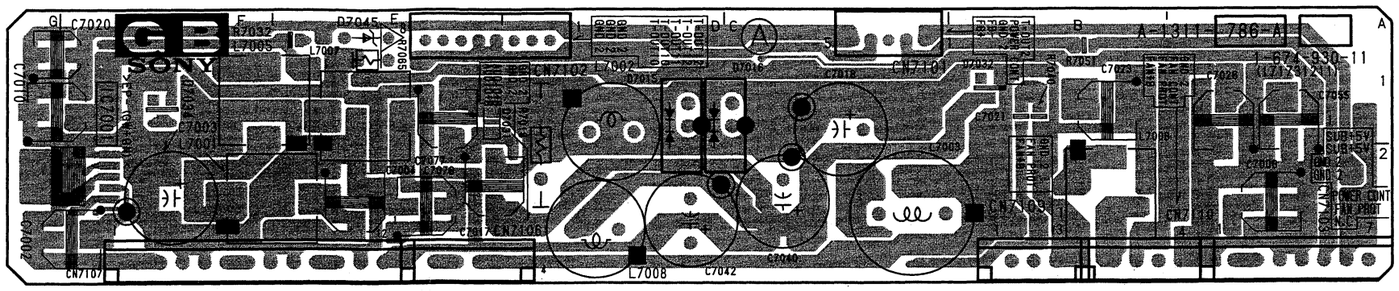
1-674-930-11

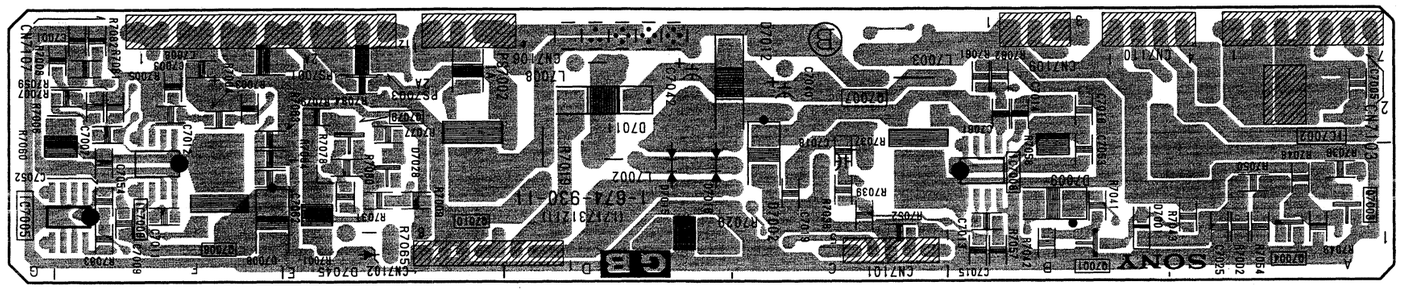
IC7001 F-1
IC7002 *A-2
IC7005 G-1
IC7008 B-1
IC7009 F-1

Q7001 *B-1
Q7003 *A-1
Q7004 *A-1
Q7007 *C-2
Q7008 *F-1
Q7010 *E-1
Q7079 *E-2

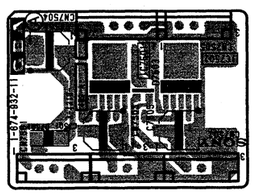
*:B Side mount



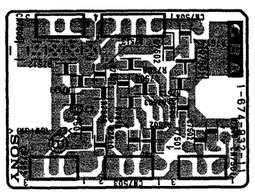
GB –A SIDE–
SUFFIX : -11



GB –B SIDE–
SUFFIX : -11

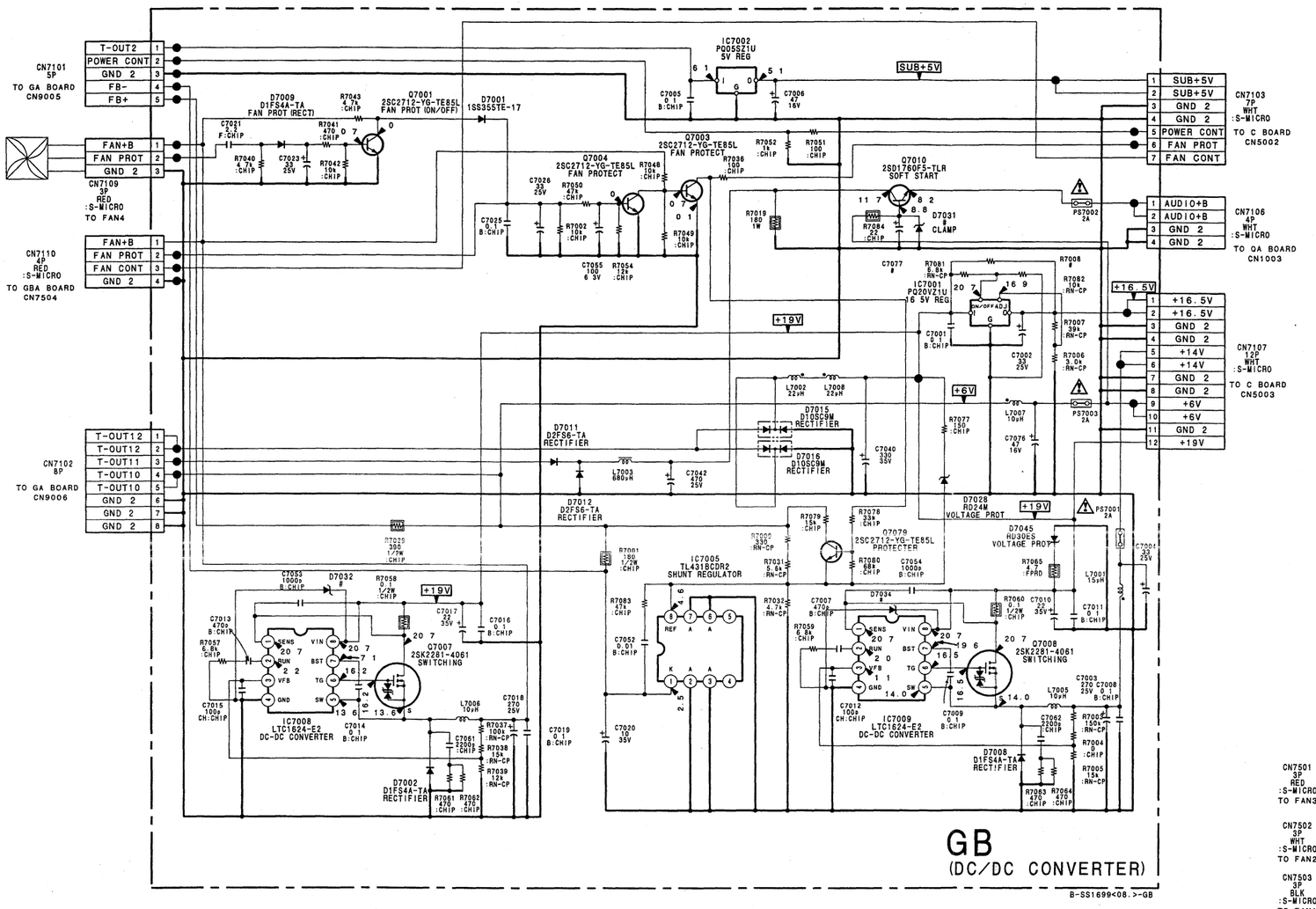


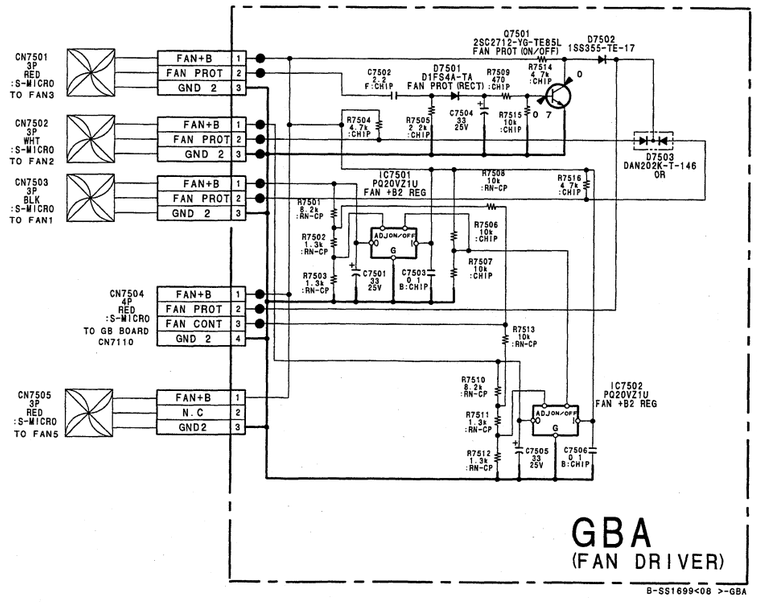
GBA –A SIDE–
SUFFIX : -11



GBA –B SIDE–
SUFFIX : -11

SP01122 / Druck 36


CN7101 5P TO GA BOARD CN9005
T-OUT2
POWER CONT
GND 2
FB-
FB+
CN7109 3P RED :S-MICRO TO FAN4
FAN+B
FAN PROT
GND 2
CN7110 4P RED :S-MICRO TO GBA BOARD CN7504
FAN CONT
CN7102 8P TO GA BOARD CN9006
T-OUT12
T-OUT11
T-OUT10
GND 2
D7009 D1FS4A-TA FAN PROT (RECT)
Q7001 2SC2712-YG-TE85L FAN PROT (ON/OFF)
D7001 1SS355TE-17
Q7003 2SC2712-YG-TE85L FAN PROTECT
Q7004 2SC2712-YG-TE85L FAN PROTECT
IC7002 PQ05RZ1U 5V REG
SUB+5V
Q7010 2SD1760F5-TLR SOFT START
D7031 CLAMP
PS7002 2A
CN7103 7P WHT :S-MICRO TO C BOARD CN5002
SUB+5V
GND 2
POWER CONT
FAN PROT
FAN CONT
CN7106 4P WHT :S-MICRO TO GA BOARD CN1003
AUDIO+B
IC7001 PQ20V21U 16.5V REG
+16.5V
+19V
+6V
CN7107 12P WHT :S-MICRO TO C BOARD CN5003
+14V
D7011 D2FS6-TA RECTIFIER
D7012 D2FS6-TA RECTIFIER
D7015 D10SC9M RECTIFIER
D7016 D10SC9M RECTIFIER
D7028 RD24M VOLTAGE PROT
D7045 RU30ES VOLTAGE PROT
PS7001 2A
IC7005 TL431BCDR2 SHUNT REGULATOR
Q7079 2SC2712-YG-TE85L PROTECTER
Q7007 2SK2281-4061 SWITCHING
Q7008 2SK2281-4061 SWITCHING
IC7008 LTC1624-E2 DC-DC CONVERTER
IC7009 LTC1624-E2 DC-DC CONVERTER
D7002 D1FS4A-TA RECTIFIER
D7008 D1FS4A-TA RECTIFIER
GB
(DC/DC CONVERTER)
B-SS1699<08.>-GB


CN7501 3P RED :S-MICRO TO FAN3
CN7502 3P WHT :S-MICRO TO FAN2
CN7503 3P BLK :S-MICRO TO FAN1
CN7504 4P RED :S-MICRO TO GB BOARD CN7110
CN7505 3P RED :S-MICRO TO FAN5
FAN+B
FAN PROT
GND 2
FAN CONT
N.C
GND2
Q7501 2SC2712-YG-TE85L FAN PROT (ON/OFF)
D7501 D1FS4A-TA FAN PROT (RECT)
D7502 1SS355-TE-17
D7503 DAN202K-T-146 OR
IC7501 PQ20V21U FAN +B2 REG
IC7502 PQ20V21U FAN +B2 REG
GBA
(FAN DRIVER)
B-SS1699<08 >-GBA